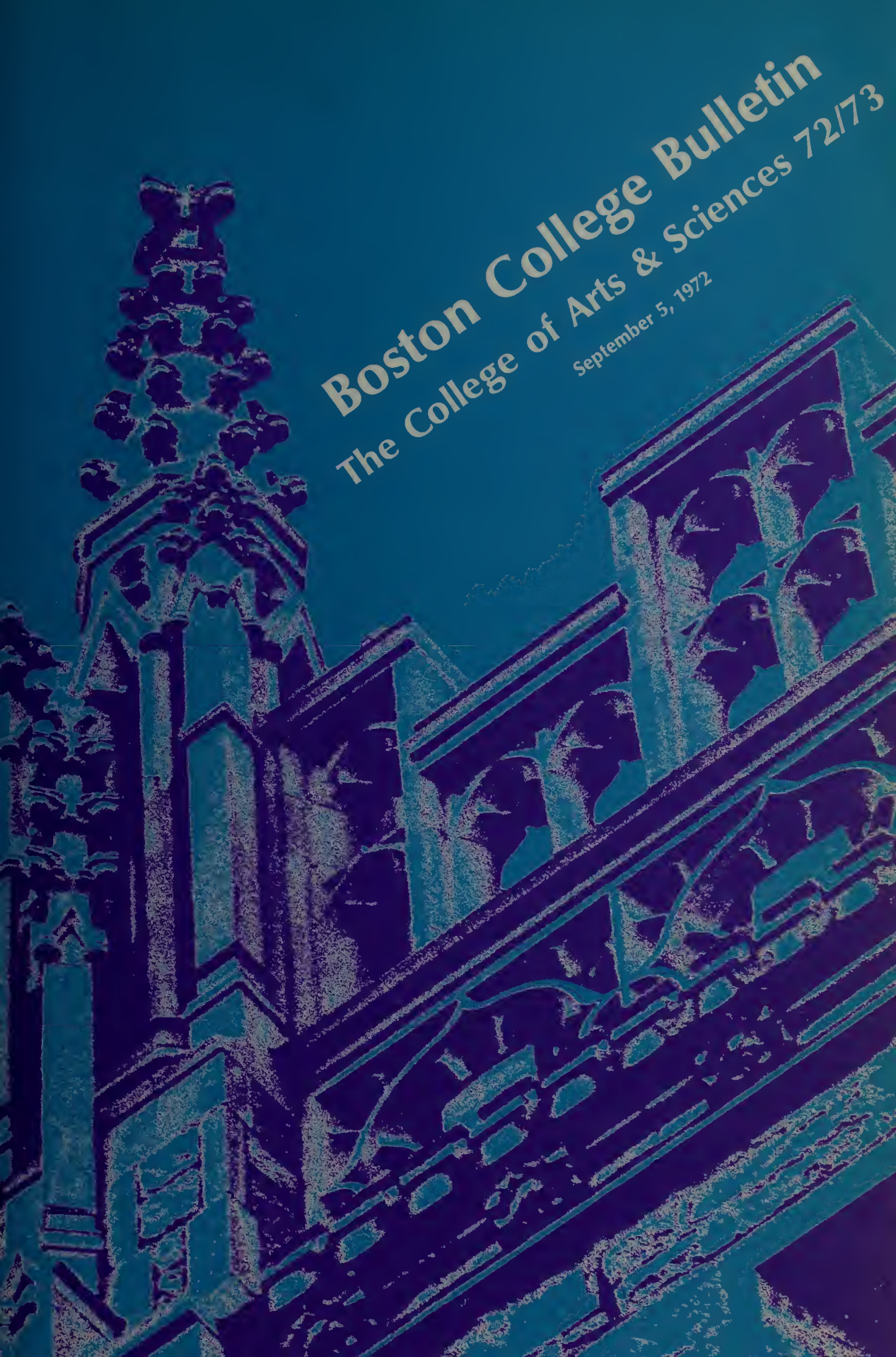


BOSTON COLLEGE BULLETIN

1972-1973

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Boston College Bulletin

The College of Arts & Sciences 72/73

September 5, 1972

On the Cover

A photographic representation of one of the finials of Ford Tower, Baptist Library, Boston College.

"The Margaret S. Ford Tower, into which the lovely recessed North Porch opens, is distinguished by a soaring medieval staircase ornamented with a corbelled balustrade. On the exterior, the Tower recalls Merton Tower at Oxford, with its squat bulk and fretwork like stone lace." (From *The Crowned Hilltop, Boston College In Its Hundreth Year*; text by Francis Sweeney, S.J.; The Hawthorne Press, 1962.)

Design by Carol E. George, University Designer; cover photograph by Daniel Natchek, Staff Photographer.

Photographs on pages 2 and 226 by Lynn McLaren.

To the Reader

The *Boston College Bulletin* is intended for use as a source of information and continuing reference. Please save it or make it available to those who have need of it. Replacement copies cause expenditures which should more directly support the educational programs of the University.

Boston College Bulletin

Volume XLIV, Number 9, September 5, 1972

The *Boston College Bulletin* contains current information regarding the University calendar, admissions, degree requirements, fees, regulations and course offerings. It is not intended to be and should not be relied upon as a statement of the University's contractual undertakings.

Boston College reserves the right in its sole judgment to make changes of any nature in its program, calendar or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the academic term, cancelling of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

The *Boston College Bulletin* is published ten times a year as follows: No. 1, January (*Law School*); No. 2, February (*Summer Session*); No. 3, April (*Graduate School of Social Work*); No. 4, May (*Evening College Preliminary Announcement*); No. 5, June (*Graduate School of Arts and Sciences*); No. 6, July (*School of Nursing*); No. 7, August (*Evening College of Arts, Sciences and Business Administration*); No. 8, August (*Undergraduate Admissions Information*); No. 9, September (*College of Arts and Sciences*); No. 10, December (*University General Catalogue*).

The School of Education and the School of Management will publish in May, 1973.

Second class postage paid at Boston, Massachusetts. Published by Boston College, Office of University Publications, Chestnut Hill, Massachusetts 02167, telephone (617) 332-8729.

Requests for divisional bulletins should be addressed to the individual School or College of the University. Requests for the *University General Catalogue* issue should be addressed to the Office of University Publications; requests for the *Undergraduate Admissions Information* issue should be addressed to the Office of Undergraduate Admissions.

Postmaster: send PS Form 3541 and all address corrections to the Office of University Publications.

Office of University Publications, Boston College, Lawrence House, 122 College Road, Chestnut Hill, Massachusetts 02167

Boston College Bulletin

The College of Arts & Sciences 72/73



Boston College

University Heights

Chestnut Hill, Massachusetts 02167



Contents

BOSTON COLLEGE	
The University	4
GENERAL INFORMATION	
Entrance Requirements	5
Awards	6
Degree Requirements and Academic Regulations	8
Financial Aid	13
Libraries	19
Special Academic Programs	19
Student Personnel Services	22
Student Residence Accommodations	24
Tuition, Fees and Registration	24
PROGRAM OF INSTRUCTION	
Fields of Concentration	27
Departments, Programs, and Chairmen	37
Description of Courses	38
ADMINISTRATIVE AND FACULTY DIRECTORIES	
College of Arts and Sciences	197
Administration	197
Faculty	197
University Administration	222
ACADEMIC CALENDAR	227
DIRECTIONS FOR VISITORS TO BOSTON COLLEGE	228
MAP OF THE UNIVERSITY HEIGHTS CAMPUS	<i>Inside Back Cover</i>

Boston College

The University

Boston College is one of the oldest Jesuit-founded universities in the United States. Its charter was granted to John McElroy, S.J., on April 1, 1863, by John Albion Andrew, Governor of the Commonwealth of Massachusetts. John Bapst, S.J., was the first President. As has been true of almost every leading college and university in the nation, the original intention was to provide collegiate instruction for young men in an atmosphere of a specific religious tradition. Boston College has followed the honored pattern of other American universities by growing into an eclectic institution of higher education. Its academic community is open to men and women of any and every background; its scholarly pursuits range the entire spectrum of contemporary thought and interest.

Boston College was first located in the South End of the City of Boston and continued there for its first half century. Shortly before World War I, Thomas Gasson, S.J., then President, purchased a property in Chestnut Hill, a suburb of Boston. In more than fifty years that have followed, the University Heights campus has grown to include forty collegiate structures and still retains much of its suburban beauty as well as an enviable prospect of the city six miles away.

The evolution of Boston College into today's University was particularly evident during the 1920's. The Summer Session, the Graduate School of Arts and Sciences, the Law School, and the Evening College of Arts, Sciences and Business Administration were added to the original College of Arts and Sciences. In 1927, the College of Liberal Arts at Lenox, Massachusetts, and the Schools of Philosophy and Theology at Weston—several miles west of the University Heights campus—all for the preparation of young men for the priesthood in the Society of Jesus—were established as schools of the University. The Graduate School of Social Work was established in 1936, and the College of Business Administration in 1938. The latter, with its Graduate School (1957), is now known as the School of Management. The Schools of Nursing and Education were founded, respectively, in 1947 and 1952.

Accreditation of the University

Boston College is a member of, or accredited by, the following educational institutions: The American Association of Colleges for Teacher Education, the American Association of Collegiate Schools of Business, the American Association of Theological Schools, the American Association of University Women, the American Bar Association, the American Chemical Society, the American Council on Education, the Association of American Colleges, the Association of American Law Schools, the Association of University Evening Colleges, the Association of Urban Universities, the Board of Regents of the University of New York, the College Entrance Examination Board, the Council of Graduate Schools, the Council on Social Work Education, the Jesuit Educational Association, the International Association of Universities, the International Association of Catholic Universities, the National Catholic Education Association, the National Commission on Accrediting, the Accrediting Service of the National League for Nursing, the New England Association of Colleges and Secondary Schools, and other similar organizations.

General Information

Entrance Requirements

Boston College is an academic community whose doors are open to men and women of all races, colors and national origins.

Application for admission to Boston College must be filed with the Undergraduate Admissions Office early in the final year of the applicant's secondary studies. The candidate should request from the Undergraduate Admissions Office a regular application form and follow carefully the directions given on the application.

All school records must come directly from the Office of the Principal to the Undergraduate Admissions Office. No records will be accepted as official otherwise. The Committee on Admissions will consider the character, personality, and health of each applicant, and those who are judged to show promise of success in scholarly achievement will be declared eligible for admission.

The applicant's field of specialization will in part be determined by the high school preparation. The Admissions Staff is always glad to consult with the principal, guidance director, or student regarding the course of studies. Personal interviews will be arranged. All applications will be carefully examined and all candidates may be assured of personal consideration.

The prerequisite courses for the various majors are listed below. Two years of a foreign language are required for admission to the College of Arts and Sciences.

MAJORS IN BIOLOGY, CHEMISTRY, PHYSICS, MATHEMATICS, GEOLOGY, PRESENTAL, AND PREMEDICAL (CAREER OBJECTIVES)

English	4	Algebra	2
Sciences (Biology, Chemistry, Physics)	2	Plane Geometry	1
Foreign Languages	2	Trigonometry	1/2
		Other standard courses	

MAJORS IN ALL OTHER FIELDS OF CONCENTRATION

English	4	Algebra	2
Foreign Languages	2	Plane Geometry	1
Other standard courses			

Methods of Admission

Boston College requires all applicants for admission to complete the College Board Scholastic Aptitude Test (SAT) as well as three Achievement Tests, English, Mathematics Level I or II, and a third Achievement of the applicant's own choice. The SAT and Achievement Tests should be taken no later than January of the applicant's senior year. The results of the SAT taken in the junior year (March, April, or July) may be substituted for senior year scores, but applicants are urged to submit a senior year test. Junior year Achievement Tests (March, May or July), particularly in subjects terminating in the eleventh grade,

may be used with or substituted for senior tests in meeting the requirement of three Achievement Tests. All candidates will take Mathematics Test Level I, unless they have been specifically prepared by their high schools to take Mathematics Achievement Test Level II. The Committee on Admissions will select the best combination of test scores when evaluating an application. Students are responsible for having all test scores sent to Boston College. Notification of acceptance or rejection will be sent to the applicant between February 15 and April 15, provided the application is complete and College Board test scores have been received directly from the Educational Testing Service.

Application forms and information bulletins for the Scholastic Aptitude Test and three Achievement Tests may be obtained from the high school, or by writing to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey 08540, or to the College Entrance Examination Board, P. O. Box 1025, Berkeley, California 94701.

All candidates, in addition, must file a regular application for admission to Boston College and should follow the directions on the application carefully and promptly. Application forms and information bulletins may be obtained from the Undergraduate Admissions Office, Boston College, Chestnut Hill, Massachusetts 02167.

Admission by Transfer from Other Colleges

Candidates for admission to Boston College from another college of approved standing should apply in writing to the Undergraduate Admissions Office, Boston College, Chestnut Hill, Massachusetts 02167.

The candidate for admission by transfer from another college must present the following: 1—The requirements for admission to the Freshman class. 2—A regular application for admission to Boston College. 3—An official transcript of all college courses and a statement of honorable dismissal. Only those students who have achieved a grade point average of 2.5 or higher at the previous college(s) will be considered for transfer to Boston College. 4—A letter from the applicant stating his reasons for transferring to Boston College. 5—A catalogue of the college from which the candidate is transferring. Applications and transcripts will not be accepted unless received directly by mail from schools and colleges previously attended. The formal application and official transcript must be on file no later than June 1.

After an appraisal of the college record, the candidate will be informed of the terms of acceptance and credits allowed in transfer. Transfer students must complete at least two years of course work at Boston College in order to qualify for a Bachelor's degree.

Awards

The following awards are made on Commencement Day, at a special ceremony for the College of Arts and Sciences, after the University Commencement Exercises.

General Excellence Medal

A gold medal, the gift of the Philomatheia Club, for general excellence in all branches studied during the entire four years in the College of Arts and Sciences is awarded each year at the annual commencement.

The William Cardinal O'Connell Theology Medal

The William Cardinal O'Connell Medal, the gift of His Eminence the late William Cardinal O'Connell, is awarded at the annual commencement to the student who has attained the highest average in all courses of Theology studied during four years in the College of Arts and Sciences.

The Francis J. Brick Award

The Francis J. Brick Award, the Gift of Mrs. Francis J. Brick in memory of her husband, an alumnus of the class of 1896, is a gold medal which is awarded to a member of each graduating class in the College of Arts and Sciences who has been outstanding in character, loyalty, leadership, and scholarship during his four years at Boston College.

The Cardinal Cushing Award

The Cardinal Cushing Award is a cash award, the income on \$5000 donated by Francis Cardinal Spellman in honor of Richard Cardinal Cushing. It will be given annually to that undergraduate student who publishes the best creative literary composition (poem, short story, drama or essay) in a Boston College undergraduate periodical. The winner of this award will be selected by the vote of a committee of three faculty members of whom one will be the Chairman of the Department of English. The other two members will be named annually by the President of the University.

The Reverend Patrick J. Durcan Award

The Reverend Patrick J. Durcan Award, donated by Mrs. J. Greer in memory of her brother, is a medal presented at commencement to the student who attained the highest average in all courses of History studied during four years in the College of Arts and Sciences.

The Reverend Edward H. Finnegan, S.J. Memorial Award

The Reverend Edward H. Finnegan, S.J. Memorial Award, a cash award, is given annually to the Senior who has best exemplified the spirit of the College Motto "Ever to Excel."

The Finneran Commencement Award

A cash award, the gift of Misses Elizabeth and Theresa Finneran, for the student who has achieved outstanding success in studies, while also devoting his talents to other activities for the enrichment of the college and student life.

The Bishop Kelleher Award

The Bishop Kelleher Award is a cash award, the income on \$5000 donated by Francis Cardinal Spellman in honor of Most Reverend Louis F. Kelleher. It will be given annually to that undergraduate student who publishes the best scholarly essay on a literary or artistic topic in a Boston College undergraduate periodical. The winner of this award will be selected by the vote of a committee of three faculty members appointed annually by the President of the University.

The Albert McGuinn Award

A cash award in the memory of the late Albert McGuinn, S.J. for the senior candidate for the Bachelor of Science degree who has most successfully combined proficiency in his major field of study with achievements—either academic, extracurricular, or a combination of both—in the social sciences or natural sciences.

The John F. Norton Award

A cash award in honor of John F. Norton who was a Boston College professor, 1926-1965, and given to the student who best personifies the tradition of humanistic scholarship.

Scholar of the College

A gold medal given to those seniors who have been designated Scholar of the College at the end of senior year in recognition of their high level of academic achievement, intellectual maturity, and capacity for independent study, and who demonstrated superior scholarly or creative ability by the completion of a research project, thesis, or literary work during senior year.

The Stanton Award

A cash award, the gift of Doctors Richard and Joseph Stanton in memory of their father, Dr. Joseph Stanton, for the student who has been accepted by a medical school, and who has been outstanding in character, loyalty, leadership, and scholarship at Boston College.

The Bapst Philosophy Medal

A gold medal, in honor of Father John Bapst, S.J., for the student who has attained the highest average in all his courses in philosophy.

The Tully Theology Award

A cash award, in memory of the late Denis H. Tully, for the student who has written the best paper on a theological subject.

Degree Requirements and Academic Regulations

General Statement

The College of Arts and Sciences confers the academic degree of either Bachelor of Arts (A.B.) or Bachelor of Science (B.S.), depending upon the candidate's major field.

The ideal of a liberal education in the arts and sciences at Boston College is to provide the student with the cultural background and the intellectual discipline that are essential to the liberal growth and mature development of his mind and career. Accordingly, a liberal education at Boston College includes courses in the core curriculum, electives in minor fields and at least eight (8) one-semester required and elective courses offered or accepted by the department in which the student is majoring.

The fields among which a student has to choose at least one major are: Art History, Biology, Chemistry, Classical Studies, Economics, English, Geology and Geophysics, Germanic Studies, History, Linguistics, Mathematics, Philosophy, Physics, Political Science, Psychology, Romance Languages and Literatures, Russian, Sociology, Speech Communication and Theatre, and Theology. A student may choose two, and in some rare instances, three majors, but in each he must fulfill the minimum requirements set by the department and by the College of Arts and Sciences.

Early in his career at Boston College, usually toward the end of his Freshman year, each student makes his final selection of one of these fields of

concentration. He is guided in his choice by a faculty advisor, the appropriate administrative officials, and the Chairman of the Department in which he is interested. The various majors or fields of concentration, whose courses make up the larger part of the student's upper divisional work, are so internally arranged as to provide the student with adequate preparation for graduate work in his major field.

1. Requirements for the Degree

1.1 The College of Arts and Sciences (hereafter referred to as the College) confers the academic degree of either Bachelor of Arts (A.B.) or Bachelor of Science (B.S.), depending upon the candidate's major field.

1.2 The requirement for the Bachelor's degree is the completion, with satisfactory cumulative average (at least 70.0), of at least 38 one-semester courses (each carrying a minimum of three semester-hour credits), distributed over eight semesters of four academic years.

1.3 One-semester courses in the number and subjects indicated below constitute the basic liberal core required of all students:

2 in English Literature

2 in History

2 in either Natural Science or Mathematics

2 in Philosophy

2 in Social Sciences

2 in Theology

2 in any one of the following cluster areas:

a) Foreign Languages or Culture* (see end of this section)

b) Fine Arts, including Speech Communication and Theatre

c) Natural Science or Mathematics

1.4 The student elects 24 one-semester courses in his major and other fields. Ordinarily, at least eight and not more than 12 electives will be in the major field and the remainder in one or more fields.

2. Normal Program

2.1 The normal course load for freshmen, sophomores and juniors, is five courses each semester; for seniors, four or five courses. A freshman, sophomore or junior who wishes to take only four courses may do so but must consult with the Associate Dean. A sixth course may be taken by students whose average is B (at least 84.0). A student whose average is between 75.0 and 84.0 must obtain approval for a sixth course from the Associate Dean and all professors in his current program. Average is here taken to mean the student's most recent semester average or his cumulative average, whichever is higher. Any sixth course must be taken initially as an audit and at the student's request it may be transferred to credit status at mid-semester.

2.2 No more than eleven courses may be taken for credit in one year without special appeal (cf. Section 15).

2.3 Full-time status for a student in any class requires enrollment in at least four courses in each semester.

2.4 Tuition shall apply per semester as published, regardless of course load.

3. Grading Scale

3.1 The grading system consists of twelve categories, as follows: A, A—, B+, B, B—, C+, C, C—, D+, D, D—, E. A is excellent; B is good; C is satisfactory; D is passing but unsatisfactory; E is failure.

3.2 While the College of Arts and Sciences does not record the grade "I" (incomplete), it recognizes that under unusual circumstances (e.g., extended illness), a limited extension of time beyond the end of the semester in which a course was initiated may be warranted. This can be accomplished with permission of the professor involved after consultation with the Associate Dean. The professor will establish the criteria and time limits for completion of the work. Normally, extensions will not extend beyond the end of the semester following that in which the course was initiated.

4. Pass/Fail Electives

4.1 In the compilation of courses for graduation, no more than six (6) for which the final grade is "Pass," will be counted (excluding the grades earned in the Spring 1970 semester). Every student must have thirty-two (32) graded courses in order to graduate, unless an exemption is granted by the Appeals Board.

5. Fullfillment of Requirements by Equivalencies

5.1 In the following circumstances, departments may rule that specific degree requirements may be met by equivalencies for certain courses:

5.2 A student in his first or second year in the College may be relieved of a core requirement without receiving credit by demonstrating to the professor of a course that would meet that requirement that he has mastered the content of that course.

5.3 A student who fails or withdraws from the first semester of a two-semester course may gain credit for that semester, first, by demonstrating to his professor during the second semester that he has mastered the content of the first semester and second, by passing the second semester satisfactorily (with a C+ or better if graded). This regulation may be applied also to Pass/Fail electives involving a two-semester offering.

6. The Dean's List

6.1 The Dean's List, published at the end of each semester, ranks students according to their average for the semester in three groups: First Honors (92.0 or above), Second Honors (88.0-91.9), and Third Honors (84.0-87.9).

7. Degree with Honors

7.1 The degrees of Bachelor of Arts with Honors and Bachelor of Science with Honors are awarded in three grades: *summa cum laude*, with Highest Honors; *magna cum laude*, with High Honors; and *cum laude*, with Honors. Only grades earned while a student is in the College of Arts and Sciences are employed as a basis for awarding a degree with Honors. At least two full academic years must be spent in the College to establish eligibility for a degree with Honors.

8. Requirement for Good Standing and Eligibility

8.1 In order to remain in good standing, a student must maintain a cumulative average of C— (at least 70.0) as the minimum standard of scholarship and have passed at least nine courses by the beginning of the second year, nineteen by the beginning of the third year, and twenty-nine by the beginning of the fourth year.

8.2 Failure to maintain good standing will result in the student's being placed on warning or on probation, or being required to withdraw from the College, as an Administrative Board shall determine. However, a student who has failed or withdrawn from a total of four courses in one semester or in one year shall be required to withdraw from the College.

8.3 A student not in good standing, or one who has passed fewer than four courses in the preceding semester (fewer than three for seniors), is automatically ineligible to participate in any extracurricular activities or in intercollegiate sports.

9. Course Make-up

9.1 A student who has failed or withdrawn from a course may make up the credit by passing an approved course during the regular school year or in a summer session at Boston College or at another accredited college. Credit for courses not taken in the College of Arts and Sciences will be applied to degree requirements only with prior approval of the Associate Dean.

10. Class Attendance

10.1 In order that they may derive the fullest benefit from the college experience, students are expected to attend class regularly. However, no administrative penalty is attached to nonattendance. A student who is absent from class is responsible for obtaining from the professor or other students knowledge of what happened in class, especially information about announced tests, papers or other assignments.

10.2 Professors will announce, reasonably well in advance, all tests and examinations based on material covered in class lectures and discussions, as well as on other assigned material. A student who is absent from class on the day of a previously announced examination is not entitled, as a matter of right, to make up what he has missed. The professor involved is free to decide whether a make-up will be allowed.

10.3 In cases of prolonged absence, due to sickness or injury, the student or a member of his family should communicate with the Dean of Students and the Associate Dean of the College as soon as the prospect of extended absence becomes clear. The academic arrangements for the student's return to courses should be made with the Associate Dean of the College as soon as the student's health and other circumstances permit.

11. Absence From A Semester Examination

11.1 Arts and Sciences students will have to arrange for making up a semester examination which they have missed with the professor. Professors are asked to announce the time and manner by which students must notify them of absence and make arrangements for taking the absentee examinations. If in particular courses announcements about absentee examinations are not made, students should ask the professors to specify the acceptable excuse(s) for absence and the manner and time of notification and of arrangements for the make-up examination.

11.2 The only exception to the foregoing is the case where the student, because of an extended illness or serious injury, will miss all or most of his examinations and be able to make up examinations for a week or more beyond the period scheduled for semester examinations. In such cases, the student or his family should call the Office of the Associate Dean of his college or the Registrar as soon as the prospect of extended absence becomes clear.

12. Leave of Absence

12.1 In clearly established cases of military service, health, and extraordinary financial circumstances necessitating a postponement of the normal academic program, a leave of absence will be granted through the Office of the Associate Dean. In all other cases, students must petition for leave of absence through the usual appeal procedure (cf. section 15). A leave of absence granted through the appeal procedure shall not ordinarily exceed one year.

12.2 All students returning from a leave of absence must contact the Dean's Office no later than two months before the beginning of the term in which they wish to resume their studies.

13. Academic Integrity

13.1 Students at Boston College are expected to have high standards of integrity. Any student who cheats or plagiarizes on examinations or assignments is subject to dismissal from the College. Cases involving academic integrity shall be referred to the Dean's Office for adjudication by the Dean's Office or by an Administrative Board as the student shall request.

14. Administrative Board

14.1 An Administrative Board shall act, when called upon, in matters relating to "Good Standing" and "Academic Integrity."

14.2 An Administrative Board shall be composed of three people from the College, i.e., the Dean or Associate Dean, a faculty member (full-time teaching), and a student. The faculty member shall be selected by the Dean from a list of six faculty members designated annually for this purpose by the Educational Policy Committee. The student member shall be selected by the Dean from a list of six students designated annually for this purpose by the Student Senate.

14.3 A student coming before an Administrative Board shall have the right to exercise two challenges-without-cause against the student and/or faculty appointees to the Board.

15. Procedure of Representation and/or Appeal

15.1 Students with questions of interpretation or petitions of exception to these regulations may submit them to a standing committee on Academic Regulations appointed by the Educational Policy Committee.

15.2 While presuming that most problems will be resolved by a student in direct contact with his professor, unresolved questions about grades or the practices of an individual professor should be referred to the chairman of the department concerned.

**Note:* The College of Arts and Sciences permits the optional fulfillment of foreign language study requirements through the study of foreign literatures and cultures, either in the original language or in translation. Although the Council on Literature and Language recommends the study of literature in the original language, it has compiled the following list of courses on literature in translation. Further information may be obtained by consulting the catalog listings of the respective departments: Classical Studies (Cl), Germanic Studies (Gm), Romance Languages and Literatures (Rl), and Slavic and Eastern Languages (Sl). Asterisked courses are offered during the current academic year.

* CI 202-203 (En 223-224)—Greek Drama in Translation	Thayer
* CI 208-209 (Hs 163-164)—History of Rome	Gill
* CI 210-211 (Pl 320-321)—Later Dialogues of Plato	Maguire
* CI 212-213 (Pl 325-326)—The Young Aristotle	Maguire
* CI 214—The Bases of Greatness	Dow
* CI 215H—Archaic Greece	Dow
* CI 217 (En 217)—The Ancient Epic	Bushala
* Gm 270—Nietzsche & Freud	Eykman
* Gm 271—War & Peace in Modern German Literature and Thought	Eykman
* Gm 277—Hermann Hesse & the Modern Mind	Bruhn
* Gm 278—Politics & Literature	Bruhn
* RI 319—Cultural Background to Italian Literature	Mastrobouno
* RI 356-357—Contemporary Spanish-American Literature	Kupferschmid
* RI 366—Existentialism	Gauthier
* RI 368—Calderon and the Auto-Sacramental	Steiliano
* RI 391—Dante, The Divine Comedy	Figurito
SI 203—Survey of 19th-Century Russian Literature	Agushi
* SI 204—Survey of 20th-Century Russian Literature	Agushi
* SI 205—Tolstoy and Dostoevsky	Agushi
* SI 210—Literature and Modern China	Ting
* SI 211—Beyond Liberal Consciousness in Scandinavian Literature	Stendahl
SI 313—Structural Poetics	Jones
* SI 329—Comparative Literature	Stendahl

Financial Aid Information and Applications

Boston College administers a variety of assistance programs to help students finance their education when their own and their families' resources are inadequate for this purpose.

To enable the college to make a proper judgment as to the amount and type of assistance a student needs and is eligible for, a financial statement must be filed, along with the application for assistance. If a student is an applicant for admission to the undergraduate freshman class, he may obtain the Parents' Confidential Statement from his high school or by writing to C.S.S., Box 176, Princeton, N.J., 08540. The application for assistance is included in the general application forms provided for admission.

Both forms should be received by the January 15th deadline. Students already enrolled, graduate, transfer, and all other applicants, must file a Confidential Statement and application form each year they wish to be considered for financial assistance. These forms are available at the Office of Financial Aid, Gasson 217, Boston College, Chestnut Hill, Mass. 02167. They must be filed whether or not the student has filed previously.

The following types of aid are available individually or in combination.

Boston College Scholarships

All scholarships and grants are awarded on the basis of scholastic achievement *and* financial need, and range from \$100 to full tuition amounts. Freshmen interested in applying for scholarship aid should complete the general admission application procedures by January 15th.

Boston College has recognized its obligation to participate in a special way in the general improvement of the society in which it functions. The University has been particularly concerned with the economic and educational problems experienced by the Greater Boston Black Community, and has established a \$500,000 scholarship program for Black students from this area. Inquiries are invited from all interested applicants.

Federal Scholarships

(Educational Opportunity Grants)

These are grants made available by Boston College from federal funds, to students who meet certain family income standards. Grants range from \$200 to \$1000 per year and may be renewable upon reapplication as long as need continues.

State Scholarships

Massachusetts residents attending Boston College are urged to apply for Commonwealth of Massachusetts Scholarships.

Applicants for admission to Boston College obtain applications for Commonwealth of Massachusetts Scholarships at their high school guidance office or by writing the Commonwealth of Massachusetts Department of Education, Board of Higher Education Scholarship Office, 182 Tremont St., Boston, Mass. Applications are available to students already enrolled at Boston College through the Office of Financial Aid, Gasson 217.

Applicants for Massachusetts State Scholarships must submit a Financial Statement to the College Scholarship Service. Other state scholarship holders should follow the same procedure if their state requires a Parents' Confidential Statement.

National Defense Loans

Amounts awarded are based on student's need. Undergraduates are limited to \$1000 per academic year with a total maximum of \$5000 in each case. No interest is charged on loans until repayment begins. Ordinarily a repayment period of 10 years is permitted, at an interest charge of three per cent on the unpaid balance, beginning nine months after graduation.

Loans are awarded on an academic year basis only and must be re-applied for each year. They are not automatically renewed.

National Defense Student Loans are subject to cancellation for certain types of teaching and education related employment; the repayment of these loans may be deferred until military, graduate study, and Peace Corps or VISTA service is completed.

Law Enforcement Education Program

The Law Enforcement Education Program gives qualified men and women of all backgrounds a unique opportunity to work for a safer, more just America. The Program's goal is to improve the Nation's criminal justice system by helping to professionalize fully its personnel. The skills that can be gained by college training are needed today by police departments, correctional agencies, and the courts more than at any other time in our history.

Boston College offers an interdisciplinary program in law enforcement, individually tailored to suit the aims and needs of the students, graduate or undergraduate. You are eligible if you are a full-time student enrolled in a graduate or undergraduate program leading to a degree or certificate in a program of study related to law enforcement. A minimum of 15 semester credit-hours or their equivalent in courses *directly* related to law enforcement is required. You must intend to pursue full-time employment in the criminal justice field upon completing your studies. A LEEP loan will provide up to \$1800 per academic year to cover tuition, fees, and related expenses.

State Guaranteed Loan Programs

Boston College students may apply for loans under the Guaranteed Loan Program in their home state. This program varies from state to state, but generally undergraduate students may borrow up to \$1000 per academic year with a total maximum of \$5000. Commercial banks, mutual savings banks, savings and loan associations, credit unions and other financial institutions subject to federal or state supervision may be lenders under this program.

Massachusetts residents may request information and brochures describing this source of financial aid (Higher Education Loan Plan or H.E.L.P.) from Mass. Higher Education Assistance Corporation, 511 Statler Bldg., Boston, Mass. 02116.

Federal Work-Study Programs

(Summer and part-time)

With the assistance of federal funds, the College is able to provide many employment opportunities either on the campus or in various off-campus agencies both in the greater Boston area and, in many cases, in the student's home community even in other states. Some of these jobs provide work experience directly related to the student's educational objective, while at the same time providing regular income for educational expenses. Referrals are made through the Office of Financial Aid, Gasson 217 at Boston College. Incoming freshmen (after acceptance) are eligible for summer work prior to their freshman year.

Regular Campus Employment

Many opportunities are provided for part-time campus employment throughout the school year. The limitation on hours makes it unlikely that students can earn more than one-half tuition during the course of a year in this fashion.

Scholarships

The establishment of scholarships is an excellent way to provide promising young people with the opportunity to obtain a college education which they might otherwise be unable to afford. It is earnestly recommended that anyone who is interested in helping to prepare our youth to meet the challenges of our complex society should give serious consideration to this means of doing so.

The Scholarship Funds contributed are recorded on the following pages.

The Bartholomew J. and Harrite D. A'Hearn Scholarship

The Elizabeth Ann Ahern Scholarship

The Margaret V. Ahern Scholarship

The James M. Anderson Memorial Scholarship

The John B. Atkinson Scholarship

The Martha Moore Avery Scholarship

The Edward I. Baker Scholarship

The Lillian C. Ball Scholarship

The Reverend Garrett J. Barry Scholarship

The Reverend Henry A. Barry Scholarship

The Timothy Barry Scholarship

The John D. Berran Scholarship

The Boston College Alumnae Association Scholarship

The Reverend Thomas F. Brennan Scholarship
The Reverend William P. Brett, S.J. Scholarship
The Matthias and Josephine Brock Scholarship
The James and Ellen Josephine Brophy Scholarship
The Monsignor Edward J. Burke Scholarship
The Edward J. Butler Scholarship
The Reverend Francis J. Butler Scholarship
The Mary Burke Butler Scholarship
The Michael Carney Scholarship
The Major William J. Casey Scholarship
The Class of 1916 Scholarship
The Benedict Dudley Thomas Daly Scholarship
The Mary Francis Dowling Daly Scholarship
The Daly Scholarship
The Rose Fitzpatrick Scholarship
The Monsignor Matthew J. Flaherty Scholarship
The James H. Flannery Scholarship
The Reverend John Flatley Scholarship
The Reverend Michael F. Flatley Scholarship
The Reverend John H. Fleming Scholarship
The Bridget Flood Scholarship
The J. Bernard and Mary B. Flynn Scholarship
The J. Joseph Flynn and Mary B. Flynn Scholarship
The John D. and Ellen Foley Scholarship
The Reverend Walter Friary Scholarship
The John Mitchell Galvin Scholarship
The Father Gasson Scholarship
The Reverend Thomas I. Gasson, S.J. Scholarship
The Ellen T. Gavin Scholarship
The General Scholarship
The Elizabeth J. and Daniel J. Gillen Scholarship
The Mary and Thomas J. Gillespie Scholarship
The Patrick J. Glancy Scholarship Fund
The Matthew Gleason Scholarship
The Reverend Michael M. Gleason Scholarship
The John J. Griffin Scholarship
The Peter Paul Griffin Scholarship
The Mary Grimes Scholarship
The Curtis Guild, Jr. Scholarship
The Patrick Haberlin Scholarship
The John Hallahan Scholarship
The Reverend William H. Hannas, S.J. Scholarship Fund
The Reverend John H. Harrigan Scholarship
The Catherine and Patrick Hartnett Scholarship
The Right Reverend Richard J. Hawko Fund
The Eleanor Healy Memorial Scholarship
The Reverend Jeremiah Healey Scholarship
The Reverend John F. Heffernan Scholarship
The Cornelius and Mary Herlihy Scholarship
The John W. Hodge Scholarship
The Dr. John A. Horgan Scholarship
The Matthew Horgan Scholarship
The John W. Horne Scholarship

The Brother Thomas Howarth, S.J. Scholarship
 The John Hurley Scholarship
 The Timothy A. Hurley Scholarship
 The Annie Hussey Scholarship
 The Mary G. Keefe Scholarship
 The Reverend George A. Keelan, S.J. Scholarship
 The Mary Catherine Keith Scholarship
 The Sarah Kelleher Scholarship
 The Oliver G. Kelley Scholarship
 The Michael J. Kelley Scholarship
 The Catherine Kilroy Scholarship
 The Knights of Columbus-Mass. State Council Scholarship
 The Mary Kramer Scholarship
 The Msgr. Walter J. Leach Scholarship Fund
 The Joseph F. Leahy B.C. Scholarship
 The Reverend Thomas B. Lowney Scholarship
 The Loyola Scholarship
 The Loyola Guild Scholarships
 Reverend John Bapst, S.J.
 Reverend E. V. Boursaud, S.J.
 Reverend Alphonse Charlier, S.J.
 Reverend Edward I. Devitt, S.J.
 Brother Timothy Fealey, S.J.
 Reverend Thomas I. Gasson, S.J.
 Reverend Robert Fulton, S.J.
 Reverend John McElroy, S.J.
 The Reverend Daniel J. Lynch, S.J. Scholarship
 The Eugene Lynch Scholarship
 The Daniel J. Lyne Scholarship
 The Mary A. Magenis Scholarship
 The Reverend Timothy Mahoney Trust
 The Mary Maloney Scholarship
 The Sister Mary Mariterese Scholarship
 The Mary and Francis Scholarship
 The Edward F. and Charles P. McAleer Scholarship
 The Frank McCann Scholarship
 The Hannah McCarthy Scholarship
 The James P. McCarthy, Jr. Scholarship
 The Reverend John W. McCarthy Scholarship
 The Patrick F. McCarthy Scholarship
 The Reverend Thomas R. McCoy Scholarship
 The Hannah McDonough Scholarship
 The Reverend James J. McEleney Scholarship
 The Reverend John J. McElroy, S.J. Scholarship
 The Reverend Thomas P. McGinn Scholarship
 The Henry P. McGlinchey, S.J. Scholarship
 The Reverend John F. McGlinchey and Michael and
 Mary E. McGlinchey Scholarship
 The Catherine McGrath Scholarship
 The Reverend Albert McGuinn, S.J. Scholarship
 The Reverend Patrick J. McHugh, S.J. Scholarship
 The Catherine and Sarah McHugo Scholarship
 The Paul J. McInerney Scholarship

The Anna B. McKenna Scholarship
The Reverend John W. McMahon, D.D. and Rose A. McMahon Scholarship
The Catherine Donovan McManus Scholarship
The Right Reverend Michael T. McManus Scholarship
The John Meehan Scholarship
The Reverend James F. Mellyn, S.J. Scholarship
The Reverend Joseph F. Mohan Scholarship
The John A. Morgan Memorial Scholarship
The Rose A. Murley Scholarship
The Sophia Mundy Scholarship
The William Murphy Scholarship
The William Bennett Murphy Scholarship
The Thomas W. Murray Memorial Scholarship
The Mary O'Connell and Thomas O'Connell Murray Scholarship
The Arthur Leo Myers Memorial Scholarship
The Reverend Father Nopper, S.J. Scholarship
The Elizabeth T. O'Brien Scholarship
The Elizabeth O'Connell Scholarship
The Frederick P. O'Connell Scholarship
The O'Connell Scholarship
The John and Mary Ellen O'Connor Scholarship
The Reverend Maurice J. O'Connor, D.D. Scholarship
The Reverend Maurice J. O'Connor Foundation Scholarship
The Henry O'Donnell Scholarship
The Mary O'Donnell Scholarship
The Michael O'Donnell Scholarship
The John O'Hare Scholarship
The Charles J. O'Malley Family Research Scholarship
The Dr. William J. O'Reilly Scholarship
The Reverend William Orr Scholarship
The Reverend Dennis T. O'Sullivan, S.J. Scholarship
The Humphrey J. O'Sullivan Scholarship
The Reverend Laurence F. O'Toole Scholarship
The Grace Parkman Scholarship
The Monsignor George J. Patterson Scholarship
The James J. Phelan Scholarship
The Philomatheia Scholarship
The Intermediate Philomatheia Scholarship
The Junior Philomatheia Scholarship
The David H. and Mary H. Posner Scholarship
The Mary E. Power Scholarship
The Maurice J. and Mary E. Powers Scholarship
The Reverend James Prendergast Scholarship
The Reverend Jeremiah M. Prendergast, S.J. Scholarship
The Jane F. Riley Scholarship
The Thomas Riley Scholarship
The Reverend Daniel C. Riordan Scholarship
The Vincent P. Roberts Scholarship
The Rockwell Scholarship
The Rose Rondeau Scholarship
The Vera Ryan Scholarship

The St. Catherine's Guild Scholarship
The Bernard Scalley Scholarship
The Reverend William J. Scanlon, S.J. Scholarship
The Mary Ann Scott Scholarship
The Dennis J. Sexton Scholarship
The Reverend John J. Shaw Scholarship
The Katherine Sherlock Scholarship
The Joseph F. Sinnott Scholarship
The Reverend James F. Stanton Scholarship
The Reverend Dennis J. Sullivan Scholarship
The Ellie Mullen Sullivan Scholarship
The John Sullivan Scholarship
The Michael H. Sullivan Scholarship
The Elizabeth C. Supple Scholarship
The Reverend James N. Supple Scholarship
The Reverend Michael J. Supple Scholarship
The S. Alice Sylvia Scholarship
The Dr. and Mrs. E. Tesone Scholarship
The Right Reverend Monsignor Joseph V. Tracy Scholarship
The Cecilia Tully Scholarship
The Margaret Tully Scholarship
The Lemuel P. Vaughan Scholarship
The Catherine R. H. Wallace Scholarship
The Anna H. Ward Scholarship
The Charles S. Ward Scholarship
The Mary L. Woods Scholarship
The Patrick J. Woods Scholarship
The Reverend Timothy J. Woods Scholarship

The Libraries

There is commonly a strong correlation between the intellectual vigor of a university and the copiousness of its library holdings and their use by faculty and students.

The Library of Boston College, with holdings in excess of 850,000, is contained in ten different locations. The principal part of the collection will be found in Bapst Library. Some of the other libraries with which the student will want to be acquainted are: The Science Library, the Library of the School of Management, the Curriculum Library of the School of Education, the Nursing Library, the Law School Library, and the Library of the Graduate School of Social Work.

The Bapst Library is open on weekdays during the school year from 8:30 A.M. to 11:00 P.M., and on Saturdays from 9:00 A.M. to 5:00 P.M. For reading and reference purposes only, the hours are: holidays from 9:00 A.M. to 5:00 P.M., and Sundays from 1:00 P.M. to 10:00 P.M.

Students have access to the stacks. All users are strongly urged to ask freely for the assistance of the professional staff, especially the several reference librarians.

Special Academic Programs

Boston College provides for academically superior students special programs to meet their particular needs, and to provide them with opportunities to

undertake courses of study more challenging than courses offered in the regular program.

Students admitted into the special programs, as well as students who demonstrate superior achievement in their Freshman year, usually become members of the Honors Program and are granted greater freedom in the selection of courses of study. They are also admitted to special seminars conducted by distinguished members of the faculty, as well as by visiting professors. During their Senior year, Honors students may qualify for independent study programs and for admission to special and graduate seminars in their major fields.

The Honors Program

All entering students with records of superior aptitudes or achievements are interviewed to determine what program will best serve their goals and interests. Those who seem sufficiently motivated to attempt demanding programs of study are invited to become members of the Honors Program and are placed in intensive and accelerated sections of required courses. Honors students may also be admitted to advanced courses without completing the usual prerequisites.

In an effort to discover and encourage talented students, Boston College maintains close liaison with secondary schools to foster the development of Advanced Placement, Sophomore Standing, and Early Admission programs, which are administered by the Director of the Honors Program.

Advanced Placement

Entering Freshmen who have had courses of college-level quality in any subject may apply for Advanced Placement in that subject. Although all students seeking Advanced Placement will ordinarily be required to submit evidence of the quality of work done in the form of Advanced Placement Examination scores, students who have completed work of high distinction in high school, but have not had the opportunity to take these Examinations, may also be considered as candidates for Advanced Placement. Students who are granted Advanced Placement, whether by the Advanced Placement Examinations or otherwise, will have college credit and will be relieved of the pertinent core requirements. However, such credit may not be used to make up failure(s) or to reduce the normal course load, except in the case of students granted Sophomore Standing (see below).

Sophomore Standing

Entering students who have completed work of college-level quality in three or more subjects may apply for admission to the College with rank of Sophomores. Any student admitted to Sophomore Standing is free to complete his degree requirements and be graduated in three years.

No student can be considered for Advanced Placement or Sophomore Standing until he has fulfilled the regular requirements for admission to the College of Arts and Sciences. Those interested in securing Advanced Placement in subjects where examinations are not offered by the Advanced Placement Program, or in securing Sophomore Standing, are urged to write for more specific information.

Early Admission

Admission to the Freshman class is occasionally granted to exceptionally able and ambitious students who have not fulfilled all the requirements for a

secondary school diploma. Any student of superior achievement and maturity who has completed the eleventh grade of secondary school may apply for Early Admission. All such applications for Early Admission are considered on an individual basis. Any interested student who believes he might qualify is invited to write for instructions on how to apply.

Scholars of the College

At the end of each academic year, several members of the Senior class who have demonstrated the highest level of academic ability, scholarly accomplishment, and intellectual maturity, will be designated Scholars of the College. Students who wish to be candidates for the program should contact the chairman of their major department, in their junior year.

Junior Year Abroad

The Boston College Junior Year Abroad Program has as its ideal the complete integration of the American student within a foreign educational structure. Provided he has the necessary language preparation, the student is free to choose the country and university where he wishes to study. Where there is an established and supervised program in the university of the student's choice, it is suggested that he take advantage of this opportunity. If there is no such program, then the student enters directly into the university setting and competes on the same basis as others enrolled in the foreign university.

Permission to spend the Junior year abroad is open to Sophomores, both men and women, in good standing in any of the undergraduate schools of Boston College. Application should be made as early as possible in the sophomore year, because some foreign universities require a very early registration. Interested students should inquire of the Office of the Junior Year Abroad Program. To be eligible, the student must have at least a B (84.0) grade in his major field, approximately the same grade in general average, and the approval of the Dean of his college. All applications are processed through the Office of the Junior Year Abroad Program. The student must consult the chairman of the department of his major field for a program of studies to meet the requirements of his field of concentration and the collegiate degree.

Students are encouraged to spend their Junior year in foreign study, especially those majoring in foreign languages, social sciences, international studies and developing programs in education for teacher training. The student is encouraged to prepare for examinations in all subjects studied while abroad. These results are received by Boston College and translated into American academic equivalents. The student may be asked to submit written evidence of work done abroad and to take an oral examination for certification of credit.

Cross-Enrollment Program

A number of Jesuit colleges and universities in the United States participate in a plan of cross-enrollment, whereby students at one Jesuit college or university may spend up to a year at another Jesuit campus without additional tuition cost. Inquiries should be made at the Office of the Dean, Gasson Hall, Room 103.

Cross-Registration Program

By a cooperative arrangement with several neighboring colleges and universities, Arts and Science students may enroll for courses at other institutions without additional tuition cost. Inquiries should be made at the Office of the Dean, Gasson Hall, Room 103.

Student Personnel Services

The Vice President for Student Affairs has the responsibility for overseeing the administration of the following areas within the University: Dean of Students, University Counseling Services, Athletic Office, Placement Bureau, Health Services, Foreign Student Activities, Financial Aid Office, University Chaplain, Housing Office, and the Office of Student Activities. In addition, he shares cooperative responsibility for the Food Service with the Business Manager. His position necessitates close connection with the Undergraduate Government and with numerous committees and groups representing a wide variety of interests and composed of representatives from all areas of the university community. The Student affairs program coordinates all dimensions of student life in the University apart from strictly academic matters.

The University Chaplaincy

The Chaplaincy team consists of Fathers Leo McDonough, James Halpin, James Larkin, George Murphy, Jack Seery and Mr. James Donahue. Together, with the cooperation and advice of a student committee, they coordinate the religious activities of the campus: liturgies, retreats, and discussion groups. They are available to all students for counseling, confessions or discussion.

The office of the University Chaplain is centrally located in McElroy Commons, opposite the Bookstore. Other chaplain's offices are in Gasson and Campion. Through the central office, arrangements may be made for students, singly or in groups, to take advantage of these special religious activities.

Counseling, Advisement and Mental Health

A professionally staffed Counseling Office located in each of the undergraduate colleges assists students in matters pertaining to educational planning, career decisions, personal adjustment, and mental health problems. Provisions for individual contact in the areas of academic and vocational advisement, as well as counseling and psychotherapy, are included among the services.

Psychiatric consultation and treatment are available, normally without cost to the student, through the College Mental Health Center of Boston, a non-profit psychiatric facility with which Boston College is affiliated. Students may request a referral from one of the campus Counseling Offices, or may contact the College Center directly for an appointment. In emergency this service is available outside normal office hours (262-3315).

The psychologists staffing the Counseling Offices believe that the development of some types of personal potential and the solution of some adjustment difficulties can be achieved most effectively through group experiences. These groups are available by referral from the Counseling Offices of the College Center.

The Counseling Offices in the four colleges are administered by individual directors. They are coordinated in function and purpose by the Director

of University Counseling Services and the University Council for Counseling Services. Each office is generally available to students from any of the undergraduate schools within the university. The offices are located in Gasson Hall, Room 114; Fulton Hall, Room 205; Cushing Hall, Room 211; and Champion Hall, Room 104.

Office of Student Activities

The Office of Student Activities is responsible for working with students, faculty and administrators in formulating policy, establishing operating procedures and coordinating programs for all on-campus extracurricular events sponsored by Students. This Office is available to assist any member of the Boston College community in the planning and implementation of any constructive program involving Boston College students.

The Office of Student Activities is located in McElroy Commons, Room 141 and is a center of resources and information for all student activities. It is equipped with lounge facilities, typewriters, telephone and duplicating machines.

Office of Testing Services

The Office of Testing Services is unique within the University in that its wide variety of functions serve those on all levels of Boston College.

Faculty, graduate students, and undergraduates may avail themselves of services which range from consultation to standard testing for purposes which meet the needs of the individual.

The Office of Testing Services also provides E.D.P. facilities necessary to conduct large scale survey and testing programs.

Any member of the University should feel free to consult with staff members regarding the development of specific programs or the use of the materials on file in the O.T.S. Library of Standard Programs.

Career Planning and Placement Office

While the selection of a career goal must be left to the individual, through this office, Boston College offers information to enable the applicant to make an intelligent choice. Information about various occupations, voluntary services, military services, selective service, graduate schools and specific employing organizations including school systems is available. Part-time, summer, and full-time job listings are also available to any student or graduate. You are welcome to come in for information or just to talk.

Foreign Student Services

The Director of Student Activities is responsible for the assistance of all students who are not citizens of the United States. He acts as an information officer for foreign nationals in matters relating to nonacademic activities. All foreign students in the College of Arts and Sciences are required to register with his office at the beginning of each academic term.

Student Health Program

The Student Health Program is designed to guide the student to attain and maintain optimum individual health through a program of preventive and remedial services. The Program is under the supervision of the Student Health

Unit and Infirmary. The Health Unit is open 24 hours a day during the academic year. Services include out-patient clinics, emergency service, and inpatient care.

Enrollment in the Health Program is required for all resident students, basic nursing students, and students residing away from home. This Program must be supplemented by a hospitalization insurance either by membership in a family plan or in the Boston College insurance plan. The latter requires an additional premium.

Commuter students may choose to enroll in the Health Program and the insurance plan.

All students have access to the facilities of the Health Unit in case of emergency and to the College Mental Health Center in Boston.

Student Residence Accommodations

The University provides residence for undergraduate students in three campus areas. The South Street campus accommodates men and women in groups from twenty to seventy in apartment-like dwellings.

The Upper Campus houses approximately 1,400 men and women in its thirteen residence halls.

The modular campus provides apartment-style living for 500 students with six students sharing a full three bedroom apartment.

Living facilities are also available in a number of approved private residences in the vicinity of the campus.

Information with respect to rates is located under Tuition, Fees, and Registration. Additional information may be obtained from the Housing Office.

While residence accommodations for the incoming class are granted through the Undergraduate Admissions Office, room assignments for these freshmen and for all other classes are under the supervision of the Office of University Housing. For information, please write to the:

Office of University Housing
McElroy Commons, Room 215
Boston College
Chestnut Hill, Massachusetts 02167

Tuition, Fees and Registration

The payment of Tuition and of Science and Registration Fees is to be made by check or postal money order and mailed to the Treasurer's Office.

Tuition is to be paid semi-annually:

- (1) First Semester Tuition and Fees are due before registration in September.

Tuition: \$1,300

Registration Fees: For Freshmen and new students—\$10.

Total: For Upper Classmen—\$1,300 plus fees. For Freshmen and new students—\$1,310 plus Fees.

- (2) Second Semester Tuition and Fees are due before registration in January.

Tuition: \$1,300 plus Second Semester Fees.

Holders of scholarship are not exempt from the payment of Registration, Acceptance Deposits, Insurance and Fees at the time prescribed.

If a student does not enter the year the Acceptance Deposit Fee is paid, this Fee is not applicable to any further year.

Summary of Annual Expense Requirements

General Fees

Application Fee (not refundable)	\$ 10.00
Acceptance Deposit (not refundable, but applicable to First Semester Tuition)	100.00
Registration for new students (not refundable)	10.00
Late Registration—Additional	10.00
Tuition—Payable Semi-annually	2,600.00
Student Health Insurance (optional, nonresidents)	90.00
Student Identification Card (Freshmen only)	2.00
Recreation Fee—Payable Annually	25.00

Special Fees

Absentee Examination	\$ 10.00
Biology Laboratory—per semester	50.00
Certificates, Transcripts, etc.*	1.00
Chemistry Laboratory—per semester	50.00
Computer Course Laboratory Fee—per semester	50.00
Extra Course—per semester hour credit	85.00
Geology Laboratory—per semester	50.00
Graduation	10.00
Language Laboratory—per semester	5.00
Physics Laboratory—per semester	50.00
Psychology Laboratory—per semester	50.00
Special Students—per semester-hour credit	85.00
Statistics Laboratory—per semester	10.00

Additional Expenses for Resident Students

Board, Room, Mail Service Fee—per semester*	\$ 625.00
Room Guarantee Deposit	100.00
(refundable after student completes his residence at the University, either by graduation, or by withdrawal in good standing, provided the student has completed one year in residence)	
University Health Fee	130.00
(Includes Health Insurance)	

For further information, address correspondence to:

Office of University Housing
McElroy Commons, Room 215
Boston College
Chestnut Hill, Massachusetts 02167

The Trustees of the University reserve the right to change tuition rates and to make additional charges within the College whenever such action is deemed necessary.

* No transcript will be sent from the Registrar's Office during periods of Final Examinations and Registration.

* Board, Room, Mail Service Fee for Modularity and new dorm complex—per semester \$675.00

Method of Registration

1. Students must register at the beginning of each Semester.
2. Bills for First Semester Tuition and Fees will be mailed during August. Bills for Second Semester Tuition and Fees will be mailed during December.
3. Payment is to be sent before the date indicated on the bill by check or postal money order made payable to Boston College and addressed to the Office of the Treasurer, Boston College, Chestnut Hill, Massachusetts 02167.
4. Upon receipt of payment in full, the Treasurer will send notice to the Registrar's Office that the student is eligible to register.
5. Since financial obligations must be met before registration will be permitted, it is important that full payment be received by the Office of the Treasurer before Registration Day.

A fee of \$10.00 will be assessed for Late Registration.

Withdrawals and Refunds

Fees are not refundable.

Tuition is refundable subject to the following conditions:

- a. NOTICE OF WITHDRAWAL MUST BE MADE IN WRITING, AND DIRECTED TO:

College of Arts and Sciences
Gasson Hall
Boston College
Chestnut Hill, Massachusetts 02167

- b. The date of receipt of withdrawal notice will determine the amount of the tuition refund.

If formal notice of withdrawal is received within two weeks of first classes a refund of 80% of tuition is made.

If formal notice of withdrawal is received within three weeks of first classes a refund of 60% of tuition is made.

If formal notice of withdrawal is received within four weeks of first classes a refund of 40% of tuition is made.

If formal notice of withdrawal is received within five weeks of first classes a refund of 20% of tuition is made.

No refunds are allowed after the fifth week of classes.

If the student does not elect to leave the resulting cash credit balance to his account for subsequent use, he should notify the Treasurer in writing to rebate the cash balance on his account.

Payment of Bills

Payment of Tuition and Science and Registration Fees is to be made by check or postal money order, made out for the proper amount, payable to Boston College and sent to the Office of the Treasurer, Boston College, Chestnut Hill, Massachusetts 02167.

Program of Instruction

Fields of Concentration

Major in Art History

In an age that has been criticized for the neglect of aesthetic values and the decay of its environment, the major in Art History has been designed to provide the student with visual competence. Although not primarily a training for any specific field, such a major may lead to professional careers in the art world (research and teaching, curators and museum personnel, art dealers and critics).

Besides taking courses covering the development of painting, sculpture, architecture and other art forms in the Western world from ancient to modern times, the student will take studio courses which will give him a direct understanding of the complexities of visual and creative problems. He will also be encouraged to take as many courses as possible in History, Modern Languages and other fields related to the student's area of specialization.

For the Art History major, thirty credits must be obtained:

1. By the end of the sophomore year, the following three courses are required for a total of nine credits: History of Ancient, Medieval and Renaissance Art; History of Art from the Renaissance to Modern Times; Workshop in Visual Design.
2. Five three-credit courses in Art History, to be selected among those offered in alternate years.
3. Two three-credit courses to be selected among courses in related fields (i.e., Philosophy of Art, Theatre and Stage Design, Film, Workshop on the techniques and materials of the artist, etc.) subject to departmental approval.

In the Senior year the student will elect an independent reading course in the area of his interest, or write a Senior thesis under the supervision of an advisor. All Seniors must pass a comprehensive slide examination to be offered during the Winter and Spring.

Major in Biology

The biology major has as its goal the attainment by the student of knowledge and understanding of the fundamentals of biological science. This preparation serves as the foundation for advanced work in biology and the health-related professions, as well as preparing the student for a variety of possible careers. In placing emphasis on understanding of the most basic aspects of all living systems, the student is not forced into a premature overspecialization but is encouraged to acquire as broad a background as possible and to develop intellectually to the limit of his capabilities. In addition to formal course and laboratory work, the student is offered the opportunity to exercise his individu-

ality and creativity by engaging in individual research projects under the guidance of a faculty advisor.

Required for the major are one year each of general chemistry, organic chemistry, calculus and physics. Within the department, an introductory two semester course in biology, followed by one semester courses in genetics and bacteriology are required of all majors. Two additional upper division elective courses in biology complete the minimal requirements for the major. However, those students planning to pursue graduate studies in biology are strongly urged to take additional courses. Especially recommended are biochemistry, physical chemistry, and analytical chemistry.

Major in Chemistry

The Chemistry Department offers a flexible curriculum designed to educate the student preparing for a career, which requires a knowledge of chemistry, in a liberal arts atmosphere. Courses in the four fundamental branches of chemistry: inorganic, analytical, organic and physical, together with courses in mathematics, physics and German are taken in the first three years. Students preparing for a career as chemists take advanced work in the senior year, according to the plan of the American Chemical Society. A variety of advanced courses are offered to suit the needs of the student preparing for graduate study as well as for the student who will enter the chemical profession with the bachelor's degree. Chemistry majors may also prepare for careers in medicine, law, business, teaching, etc. by a proper choice of electives in other disciplines throughout the four years, but especially in the senior year. The Chemistry Department is approved by the Committee on Professional Training of the American Chemical Society.

Major in Classical Studies

The major in Classical Studies offers students the opportunity to read the original texts of two of the great literatures which have formed the West. Intensive readings in Homer, the historians, the tragedians, the lyric poets: in the pre-Socratics, Plato, Aristotle and the philosophers after them: readings in the Roman interpretation of the Greek experience, and a view of the Christian patristic synthesis of Christianity and *paideia*: all these offer one of the best forms of liberal education.

Interdisciplinary cooperation with other departments—notably English, History, Philosophy and Theology—makes possible integrated programs which are based on an exact knowledge of Latin and Greek, and the ability to read them with some ease.

A major in Classical Studies is an education, first of all. In the past, graduate students with a major in Classics have gone on to do distinguished work in classical studies, related fields, and law at universities across the country.

The department also offers a variety of courses in translation for the non-major.

Major in Economics

The student who majors in Economics undertakes a critical examination of how the economic system works in the United States and throughout the world. The introductory course, Ec 131-132, provides a survey of economic problems, policies, and theory; and required courses in microtheory and macrotheory provide a deeper analytical foundation. Electives permit further study in a wide range of fields, including money and banking, fiscal policy, international

trade, economic development, economic history, Soviet economics, comparative economic systems, labor economics, statistics, econometrics, industrial organization, consumer economics, and urban economics. A total of ten three-credit courses is required for the major.

Students with a B+ average in their economics courses graduate with honors in economics. Honors students may do independent research and write a senior thesis under the guidance of an individual professor. For high honors the thesis must receive a grade of A and must be read by an examiner from another institution. For high honors the student must also pass an oral examination at which the outside examiner is present.

The major in economics provides a general background which is useful to those planning careers in law, government service, or business as well as those planning careers as professional economists. Professional economists may take up positions as high school or college teachers, as researchers for government agencies or business firms, as administrators, or in management positions.

Those students who have special mathematical aptitude are encouraged to fulfill their micro and macro requirements by taking Ec 205 and Ec 206; other students take Ec 201, Ec 202. Students with mathematical backgrounds should also take Ec 227 and Ec 228, econometrics, rather than Ec 221, statistics. The mathematically oriented theory courses are highly recommended for students planning to do graduate work in economics.

In recent years many students have found it desirable to have a double major program. Many have double majors in economics and another social science; many others have double majors in mathematics and economics. Requirements for the double majors are flexible. Depending upon the circumstances, from twenty-one to twenty-four credits in economics may be required. Students in economics may also register for one of the special interdisciplinary programs.

Major in English

English majors are required to take a minimum of 24 credits (8 courses) beyond the Freshman course (En 1-2). They are urged to select additional courses from a wide variety offered by the Department. The following are requirements:

- a) one course in pre-1500 (medieval) language and/or literature
- b) one course in a Shakespeare, or other Elizabethan drama
- c) two courses in literature before the 20th century
- d) one course in American literature

En 103-104 (Introduction to English Studies), while not required, is strongly recommended for majors as providing an excellent background for upper-division courses in the field.

Your attention is also called to the innovative structure of courses possible in En 208, the Department Analogy Program.

For full descriptions of the following courses, please consult the handouts available in the Department office.

Major in Geology and Geophysics

An undergraduate in the Department of Geology and Geophysics may develop a program with emphasis in Geology, Solid-Earth Geophysics, and Fluid-Earth Geophysics (Physical Oceanography and Meteorology), or may formulate a more general course of study in Earth Science. Within the broadly defined constraints discussed below, programs are individually designed to meet the interests and professional objectives of each student. It is recognized that students

may wish to major or have concentration in the earth sciences for a variety of reasons including: 1) a desire to work professionally in one of the earth sciences, 2) a desire to obtain an earth science foundation preparatory to post-graduate work in environmental studies, resource management, environmental law, or other similar fields where such a background would be useful, 3) a desire to teach earth science in secondary school, or 4) a general interest in the earth sciences.

Broadly speaking, earth scientists seek by investigation to understand the complicated dynamics and materials that characterize the earth. For some, the emphasis is on the history of the earth; for others, investigations are aimed at understanding modern processes and the modifications of materials they produce. In all of the earth sciences, the tools and principles of mathematics, physics, chemistry, and the bio-sciences together with those unique to the fields of geology and geophysics are focused in studies of the earth (many of which are indeed interdisciplinary). For those planning vocations in the earth sciences, therefore, supplemental work in a variety of sciences is encouraged. Students are also urged to work with faculty and other students on investigative projects.

Students majoring in Geology will take the following courses beyond Physical and Historical Geology: Mineralogy, Optical Mineralogy, Petrography, Structural Geology, an approved field experience (e.g. summer field camp, field course, etc.) two-four semesters of Calculus, two-three semesters of Physics and two-three semesters of Chemistry. Elective courses both within and outside the department will be determined by the student and his advisor. Students are urged to fulfill at least one of the elective courses by a project-oriented research course. Students may propose substitutes for particular course requirements to the department undergraduate policy committee.

Students majoring in Geophysics will generally take as a minimum beyond Physical and Historical Geology: six semesters of Mathematics, three semesters of Physics, two semesters of General Chemistry, and one semester of Physical Chemistry. The student will plan an elective program in consultation with his advisor leading to an understanding of either Solid-Earth Geophysics (Seismology, Gravity, Geomagnetism, and Heat flow) or Fluid Geophysics (Atmospheric and Oceanographic Fluids).

Major in Germanic Studies

The curriculum in Germanic Studies is designed to give the student an active command of the German language, an insight into German literature and culture, and a solid background for graduate study in the field.

A student majoring in Germanic Studies is required to earn a total of thirty-six credits within the following curriculum:

- 1) Survey of German Literature (6)
- 2) Two period or genre courses in German literature (12)
- 3) Composition and Conversation (6)

Two electives are to be chosen from the following:

- 1) A course on German culture (6)
- 2) Another period or genre course in German literature (6)
- 3) A course in the history of the German language, German philology, German philosophy, German history, German art history, or history of music (6)
- 4) A second foreign language (6)

Prerequisite for majoring in German is the completion with an honor grade of a second-year college course in German or its equivalent.

Undergraduates may take German courses offered in the Graduate School by arrangement with the Department.

Subject to departmental approval, the Honors Program in German is offered to students who maintain a cumulative average of at least B+ in German.

Students who, in the judgment of the Department, show exceptional ability in the field of German, are advised to begin in the second semester of their junior year, under the direction of a member of the Department, a research project which will lead to an Honors Thesis.

Major in History

The Department of History offers the undergraduate student a variety of courses in Ancient, Medieval European, Early Modern and Modern European, Russian, East European, United States, and Latin American History. Careful advance planning is particularly essential for the student interested in the study and teaching of history at the graduate level. Such planning can also provide the student with a sequence of courses which will prepare him for the fields of law, government, and the foreign service, and for a career in various international organizations, in journalism, or in teaching at the elementary and secondary levels.

A history major is required to take Hs 011-Hs 079—European Civilization since the Renaissance—and Hs 181-182—American Civilization. Students planning to concentrate in history are encouraged to take European Civilization in their freshman year. If they have fulfilled these requirements no later than their sophomore year, they will have acquired the prerequisites for most elective courses in junior and senior years. Beginning students who have Advanced Placement, or who have successfully passed the departmental qualifying examination, may substitute an upper-division course in European or American history for these required courses.

In addition to the prescribed courses listed above, the history major will be required to take a maximum of twenty-four credits in upper-division history electives (including at least six credits in some field of history before 1500 A.D.—not to include the Renaissance).

In order to assure a well-balanced program, no more than twelve upper-division credits may be earned in any single field. These fields are: Ancient, Medieval Europe, Modern Europe, East Europe and Russia, United States, Latin America, and Asia.

Students who, in the judgment of the Department, give promise of significant achievement in the field of history should begin in the second semester of their junior year, under the direction of a member of the Department, a special research project which will lead to an Honors Thesis. Each student's research project must initially be approved by the Honors Committee of the History Department. To facilitate the completion of their Honors Thesis, such students may enroll in Hs 299—Senior Seminar—in their junior year. The Honors Thesis, in duplicate, must be submitted for the approval of the Department by April 15 in the senior year. One copy of the Thesis will become the property of the Department; if the Thesis is later published, in whole or in part, proper acknowledgment must be made to the College. The grade received on the Honors Thesis will become a permanent part of the student's academic record.

Major in Linguistics

In addition to the subjects in its title, the Department of Slavic and Eastern Languages administers a program of concentration in General Linguistics,

which may also be combined with the study of classical or modern languages and literatures, or with one of several relevant areas of philosophy, theology, mathematics, sociology, psychology, comparative literature, or cultural history, and the natural sciences.

The regular program leading to a Bachelor of Arts degree in Linguistics requires a minimum of thirty-six credits in advanced courses of study and research on matter of a linguistic or philological nature. Concentration in a special area is strongly recommended.

For programs incorporating a combined major, which must have the approval of the Dean and the chairmen of the appropriate departments, at least twenty-four credits in linguistics and twelve credits in higher courses of the allied field are required.

Students majoring in Linguistics will be required to have proficiency in at least one classical and one modern language and to acquire a working knowledge of at least two additional language areas.

Departmental honors in Linguistics are awarded by citation for outstanding performance in a challenging and active research program.

Major in Mathematics

All students majoring in mathematics take courses designed to provide a good foundation in the areas of analysis and abstract algebra. In addition the Department offers courses which prepare students for graduate work in mathematics, computer science, or industrial management as well as for careers in business, industry, insurance, teaching, and the scientific agencies of government.

A departmental honors program is open to students with exceptional ability. Special courses are arranged to provide challenging material which leads the student to advanced topics in his college career.

The sequence of required mathematics courses is: Mt 102-103 in the Freshman year; Mt 202-203 and Mt 216-218 in the Sophomore year; Mt 302-303 in the Junior year. Well-qualified students may be given advanced placement. The minimum credit requirement of a Mathematics Major is eighteen credits in upper-division mathematics courses. These courses include Mt 216, 218, 302, 303 and all courses numbered above 400. Most majors elect more than this minimum. In addition, a two-semester course in Physics (or a suitable replacement) is also required for Mathematics Majors.

Major in Philosophy

Philosophical study at Boston College provides the opportunity for free and open-ended inquiry into the most basic questions that concern man and the ultimate dimensions of his world. In this quest for new and fuller meanings, the Philosophy Department offers a balanced program of upper-division elective courses that allows the student to construct a program centering on his own major interests. Special sections of "core" philosophy courses are also planned for philosophy majors. Undergraduate students may, with the approval of the chairman and the individual professor, enroll in certain of the graduate philosophy courses.

Undergraduate majors who plan to do graduate work in philosophy will be prepared more than adequately to meet all requirements of graduate schools.

Major in Physics

The Department of Physics offers two alternative courses of study for physics majors, one leading to the B.S. degree, and the other to the A.B. degree.

The B.S. program, intended primarily for students planning a professional career in physics, provides a balanced program of classical and modern physics emphasizing both theoretical and experimental principles. The studies are synchronized with courses in mathematics to provide the student with the necessary skill and confidence or advanced study. A well-staffed laboratory program offers broad experience in experimental physics with opportunities to work closely with faculty and graduate students on advanced research projects.

The A.B. program is intended for students whose career goals lie outside of graduate work in physics, but who would benefit from a strong comprehension of physical science. Students are exposed to a series of substantive physics courses that emphasize physical understanding with a minimum reliance on mathematics. A coordinated laboratory program is available which is designed to meet the individual interest of the students. An integral part of the A.B. program is an examination of the role of science in our contemporary technical society.

Any physics major who has a satisfactory scholastic average and who believes he possesses the potential for conducting independent research during his undergraduate years may apply for entry into the honors program. Application is to be made to the Undergraduate Advisory Committee for Junior and Senior Physics Majors, no earlier than the beginning of his junior year and no later than midterm of the first semester of his senior year. Each student applicant must also solicit a faculty advisor to supervise the proposed research project. Honors will be granted upon:

a) Satisfactory completion of a thesis based on independent work performed under the program.

b) Exhibition of a broad comprehension of physics in general and of an understanding of the special field with which the student's thesis is involved through an oral examination. The examining committee shall consist of the two-member Honors Committee and one additional examiner drawn from the physics faculty or physics graduate students.

Major in Political Science

Students choosing Political Science as their field of concentration must take Fundamental Concepts of Political Science before undertaking electives within the department. They will then take at least 18 credits in Political Science electives in such manner as will engage them in each of the four major areas in the discipline: American Government; Comparative Government; Political Theory; and International Politics. The remaining 18 elective credits may be in some closely related fields, such as History, Economics, or Sociology. The sequence of courses prepares the students for the following objectives: political and administrative careers, foreign service, law, journalism, graduate work, and teaching in the social sciences.

Political Science majors who take the Urban Affairs concentration will be permitted to reduce their elective credits in political science from 18 to 15.

Major in Psychology

The undergraduate program in Psychology is designed to meet the needs of three classes of students: a) those who wish a sound cultural background in the study of human personality; b) those who wish to acquire a thorough undergraduate training in psychology, as majors, in anticipation of professional graduate study; and c) those who wish a basic understanding in human behavior as a supplement to some other major field of concentration.

Students majoring in psychology must take one year of Introductory Psychology, Psychological Statistics, a Methods course, one year of Mathematics and one year of a laboratory science, either Biology, Chemistry or Physics; plus four elective Psychology courses.

Major in Romance Languages and Literatures

The Department of Romance Languages and Literatures offers courses in French, Italian, Portuguese, Rumanian, and Spanish. Students majoring in this discipline may concentrate in French, Italian, Spanish and Portuguese—the latter by arrangement with the Chairman. They may also take Arabic, Chinese, or Rumanian as second languages. Thirty-six credits must be earned by majors within the following curriculum of courses:

- 1) Advanced Composition (6)
- 2) Survey of Literature (6)
- 3) A minimum of two period or genre courses in literature (12)
- 4) Two electives to be chosen from the following:
 - a) A second foreign language (6)
 - b) Comparative or Interdepartmental course (6)
 - c) A third period of the major literature (6)
 - d) Cultural backgrounds of literature (6)
 - e) Phonetics (3)
 - f) Advanced Conversation (3)
 - g) Linguistics (3)

Prerequisite for majoring in Romance Languages is the completion, with honor grades, of the second-year college course in the language of specialization, or its equivalent. It is recommended particularly to majors who intend to go on to graduate work, that they initiate the study of a second foreign language in their sophomore year. For this purpose, courses may be taken in any of the languages listed above.

The major curriculum in Romance Languages is designed to give students an active command of one foreign language and at least a working knowledge of another, a broad insight into the literature and culture of other nations, and a solid preparation for graduate studies in the field.

Although many language majors begin their sequence by taking Survey of Literature in their freshman year, it is possible to major in Romance Languages with only two years of high school preparation. (Students who begin the study of the major language in college should plan to take an intermediate course during the summer following their freshman year.)

Students who plan to major in Romance Languages should consult the Chairman of the Department with respect to their qualifications and the organization of a program to suit their individual needs and objectives.

Here are the possible sequences:

Plan I

1st year	Intermediate Language Course (RL 51-56 inclusive)	(6)*
2nd year	Advanced Composition	6
	Survey	6
3rd year	Century course	6
	Elective	6

4th year	Century course	6
	Elective	6
		<hr/>
		36 credits

Plan II

1st year	Composition, Conversation, and Reading Course (RL 101-106 inclusive)	(6*)
2nd year	Advanced Composition	6
	Survey	6
3rd year	Century Course	6
	Survey	6
4th year	Century Course	6
	Elective	6
		<hr/>
		36 credits

Plan III

1st year	Survey	6
2nd year	Advanced Composition	6
	Elective	6
3rd year	Century Course	6
	Elective	6
4th year	Century Course	6
	Elective	6
		<hr/>
		42 credits

Students under this program should be encouraged early to consider entering the Honors Program.

The Honors Program in Romance Languages and Literatures is offered to students majoring in French, Italian or Spanish. Students must maintain a cumulative average of B, and an average of B plus in their major field to qualify for Departmental Honors and must secure permission of the Chairman to enter the program.

The core curriculum in the Honors Program, which should be initiated no later than the first semester of the sophomore year, includes the following courses:

- Survey of Major Literature (6)
- Advanced Composition (6)
- Three period or genre courses in Major Literature (18)
- Two courses in a second foreign language (12)
- Senior Tutorial and Thesis (for credit value, see below)

The Senior Tutorial involves the preparation of a thesis on an approved subject of the student's choice under the direction of a faculty member. The fall semester is devoted to research and the spring semester to composition of the thesis.

* No credit accepted toward major for RL 51-56 courses inclusive.

* Majors do NOT receive credit for RL 101-106 courses inclusive.

A total of six credits will be granted for completion of the program, at the end of the second semester, and may be counted as the third period or genre course in the major literature, by candidates who have already completed courses in two other periods.

An oral examination of no more than one hour's duration, part of which will be conducted in the candidate's major language to determine his proficiency, will cover the three periods of literature included in his course curriculum.

A departmental committee will conduct the examination, evaluate the essay and formulate a recommendation for Honors which will be incorporated into the student's academic record.

School of Education students can qualify for the Honors Program by accumulating 42 credits in the field and meeting all the requirements of the Honors tutorial, although it is understood that their 42 credits, because of the nature of the School of Education major, cannot involve all the core courses of the Arts & Sciences Program.

Major in Russian

The Department of Slavic and Eastern Languages offers an undergraduate major in Russian. Intermediate Intensive Russian (SI 051-052) is obligatory for all majors. The major consists of thirty credits beyond the intermediate level, chosen equally from the upper-level literary and linguistics courses offered in the Department.

Departmental honors in Russian require at least two specific courses in Slavic linguistics, training in a second Slavic language, and an honors paper on some literary, linguistic, or philological topic.

Major in Sociology

The undergraduate program in Sociology is designed primarily for students planning graduate work in sociology or in social work; at the same time, its particular orientation makes it very attractive to the undergraduate concerned with institutional life as found in law, business, education, religion and science. The course work focuses on the problems of people in society.

The introductory courses (Sc 001 and Sc 010) provide the student with a background of the fundamental facts, structures, and problems of American society, as well as comparative analyses with other societies. An introductory course is a prerequisite for the other courses which provide comprehensive examinations of specific problem areas in sociology.

Students majoring in sociology are required to take eight courses in the Department, including Sc 001 or Sc 010; Sc 200; Sc 210 or Sc 211; and Sc 215.

Major in Speech Communication and Theatre

The Department offers two major programs in the College of Arts and Sciences which include communication and theatre. Communication is concerned with the contemporary and classical theories of speech communication. Students also have opportunities to improve their own communication and to elect course work in one or more of the mass communication media. Criticism of radio, television, cinema and the press is an important area in this major program. The theatre program concentrates on the history of the art and its role in Western culture. Courses in playwriting, directing, producing, acting and other significant areas are also scheduled for majors.

Major in Theology

The major in Theology provides a student with several opportunities. First of all, a major in theology is an excellent general education. To follow the thread of theological investigation and religious experience throughout the history of the west is to be introduced into the very pattern of western civilization. To major in theology with an eye towards graduate work means, especially in the high level courses, to share in the wide variety of courses available at Boston College and in the consortium to which it belongs, the Boston Theological Institute. With both purposes in mind, students may take courses in Patristics, Medieval theology, current theology, Bible and Biblical theology, and the many areas where theology and culture intersect—theology and literature, theology and social sciences, theology and history.

Departments, Programs, and Chairmen

Biology Department	Donald Plocke, S.J., <i>Chairman</i>
Chemistry Department	Robert O'Malley, <i>Chairman</i>
Classical Studies	Robert F. Renehan, <i>Chairman</i>
	David H. Gill, S.J., <i>Acting Chairman</i>
Economics Department	Harold Petersen, <i>Chairman</i>
	Francis M. McLaughlin, <i>Assistant Chairman</i>
Education Program	Lester Przewlocki, <i>Chairman</i>
English Department	Andrew Von Hendy, <i>Chairman</i>
	Paul Doherty, <i>Assistant Chairman</i>
Film Study Program	Gus Jacacci, <i>Director</i>
Fine Arts Department	Josephine von Henneberg, <i>Chairman</i>
	Jean Lozinski, <i>Acting Chairman</i>
Geology and Geophysics Department	George D. Brown, <i>Chairman</i>
Germanic Studies	Heinz Bluhm, <i>Chairman</i>
History Department	John Heineman, <i>Chairman</i>
Mathematics Department	Joseph Sullivan, <i>Chairman</i>
	Rose Ring, <i>Assistant Chairman</i>
Music Program	The Dean, <i>Acting Chairman</i>
Natural Sciences Department	George D. Brown, <i>Chairman</i>
Philosophy Department	Joseph F. Flanagan, S.J., <i>Chairman</i>
Physics Department	Robert L. Carovillano, <i>Chairman</i>
Political Science Department	David Lowenthal, <i>Chairman</i>
Psychology Department	William Ryan, <i>Chairman</i>
Romance Languages and Literatures Department	Enrique Ojeda, <i>Chairman</i>
Slavic and Eastern Languages Department	Michael J. Connolly, <i>Chairman</i>
Sociology Department	Michael Malec, <i>Chairman</i>
Speech Communication and Theatre Department	John Lawton, <i>Chairman</i>
Theology Department	Thomas P. O'Malley, S.J., <i>Chairman</i>

Interdepartmental Programs

Boston College Environmental Center	Rev. James Skehan, S.J., <i>Director</i>
Institute of Judaic Studies	Rabbi David Neiman, <i>Director</i>

Program for the Study of Peace and War Pulse Program	Rev. James Halpin, S.J., <i>Director</i> Kenneth Wadoski, <i>Assistant Director</i> See <i>Chairman</i> of Philosophy or Theology Departments
Slavic and East European Center	Raymond T. McNally, <i>Director</i>
Urban Affairs Program	Thomas J. Blakeley, <i>Associate Director</i> See <i>Chairmen</i> of respective departments

Description of Courses

The second line of each course description indicates the number of credits assigned to that course. Two-semester courses have two numerals on the second line [e.g., (3, 3 credits)], to show how many credits are offered each semester.

Courses which run for only one semester have only one numeral on the second line. One-semester courses which are offered in both semesters of an academic year have the notation “Both Semesters” in the lower left-hand corner of the description, and have a single credit indication numeral on the second line.

Department of Biology (Bi)

An asterisk after a course title indicates that a course carries a laboratory fee.

Bi 100—Survey of Biology I (3 credits)

A survey of Biology without laboratory, designed for students who have had no previous courses in biology. The course mainly discusses man with emphasis on the following areas: cellular structure, function, chemistry, and the anatomy and physiology of the major organ systems of the body and how they are influenced by internal and external factors.

First semester The Department

Bi 102—Survey of Biology II (3 credits)

A continuation of Bi 100. The topics discussed are: development, classical and molecular genetics, evolution, ecology, and behavior.

Second semester The Department

Bi 110—General Biology I (3 credits)

A course designed to bring to the attention of students the relevance of biology to everyday life and to illustrate application of the scientific method to problems of biology. Living organisms are considered with respect to their function in isolation (topics discussed include diversity, physiology, metabolism, genetics, and development), and their function in association (topics discussed include behavior, population dynamics, ecology, evolution).

Three lectures per week for one semester.

First semester The Department

Bi 111—General Biology Laboratory I* (1 credit)

Required of students taking Bi 110.

One two-hour laboratory period per week for one semester.

First semester The Department

Bi 112—General Biology II
(3 credits)

A continuation of Biology 110.

Second semester

The Department

Bi 113—General Biology Laboratory II*
(1 credit)

Required of all students taking Bi 112.

One two-hour laboratory period per week for one semester.

Second semester

The Department

Bi 130—Anatomy and Physiology I
(3 credits)

An introductory course presented from the homocentric point of view with the aim of correlating structure and function.

Two meetings per week for one semester.

Primarily for students interested in a career in nursing; others are admitted with permission of the instructor.

First semester

Peter Rieser

Bi 131—Anatomy and Physiology Laboratory I*
(1 credit)

To be taken in conjunction with Bi 130.

Dissection, the study of anatomical models, physiological experiments, and the microscopic examination of tissues.

One two-hour laboratory period per week for one semester.

First semester

Peter Rieser

Bi 132—Anatomy and Physiology II
(3 credits)

A continuation of Bi 130.

Second semester

Peter Rieser

Bi 133—Anatomy and Physiology Laboratory II*
(1 credit)

A continuation of Bi 131.

Second semester

Peter Rieser

Bi 210 Introductory Biology I
(3 credits)

Prerequisite: Ch 109-110. Required for biology majors.

An introduction to living systems at the molecular, cellular, organismal and population levels of organization.

First semester

The Department

Bi 211—Introductory Biology Laboratory I*
(1 credit)

Required of all students taking Bi 210.

One three-hour laboratory period per week.

First semester

The Department

Bi 212—Introductory Biology II
(3 credits)

Prerequisite: Ch 109-110. Required for biology majors.

A continuation of Bi 210.

Second semester

The Department

Bi 213—Introductory Biology Laboratory II*
(1 credit)

Required of all students taking Bi 212.

One three-hour laboratory period per week.

Second semester

The Department

Bi 220—Microbiology
(2 credits)

A study of the basic physiological and biochemical activities of micro-organisms; effective methods of destruction; mechanisms of drug action on micro-organisms; and the application of serological and immunological principles in nursing.

Two meetings per week for one semester. Primarily for students interested in a career in nursing; others are admitted with permission of the instructor.

First semester

Elinor M. O'Brien

Bi 221—Microbiology Laboratory*
(1 credit)

To be taken in conjunction with Bi 220.

One two-hour laboratory period per week for one semester.

First semester

Elinor M. O'Brien

Bi 300 Genetics
(3 credits)

Required for biology majors.

This is an introductory course in the principle and physical basis of heredity, which will include a discussion of the concepts of theoretical and applied genetics.

Three lectures per week for one semester.

Both semesters

Yu-Chen Ting
Chai H. Yoon

Bi 301—Genetics Laboratory*
(1 credit)

Required for biology majors. To be taken in conjunction with Bi 300.

One three-hour laboratory per week for one semester.

Both semesters

Yu-Chen Ting
Chai H. Yoon

Bi 310—Bacteriology
(3 credits)

Prerequisites: Bi 210-212, Ch 231-232. Required for biology majors.

A study of microorganisms as examples of independent cellular life forms, as agents of disease and as contributors to the environment of plants, animals and man.

Three lectures per week for one semester.

Both semesters

James J. Gilroy
Chester S. Stachow

Bi 311—Bacteriology Laboratory*
(1 credit)

Required for biology majors. To be taken in conjunction with Bi 310.

One three-hour laboratory per week for one semester.

Both semesters

James J. Gilroy
Chester S. Stachow

Bi 406—Cell Biology
(2 credits)

Cellular and molecular aspects of selected biological processes will be covered. Topics will include viral, bacterial and animal systems.

Two lectures per week for one semester.

First semester

Maurice Liss

Bi 407—Cell Biology Discussion Section
(1 credit)

To be taken in conjunction with Bi 406.

The content of small discussion group sections will be derived in part from related scientific papers published in journals as a means of learning modes of biological thought.

First semester

Maurice Liss

Bi 410—From Cells to Chromosomes
(3 credits)

Prerequisite: one course in biology and one in chemistry.

Lectures deal with the cells and their organelles, with special emphasis on the structural, functional and hereditary aspects.

Three lectures per week for one semester.

First semester

Yu-Chen Ting

Bi 411—From Cells to Chromosomes Laboratory*
(1 credit)

To be taken in conjunction with Bi 410.

One three-hour laboratory period per week for one semester.

First semester

Yu-Chen Ting

Bi 420—Comparative Vertebrate Embryology
(3 credits)

A study of the anatomy and physiology of reproduction, gametogenesis, and the early stages of development of the chick and mammalian embryo.

Three lectures per week for one semester.

Second semester

Walter J. Fimian, Jr.

Bi 421—Comparative Vertebrate Embryology Laboratory*
(1 credit)

Required of all students in Bi 420.

One three-hour laboratory period per week for one semester.

Second semester

Walter J. Fimian, Jr.

Bi 430—Histology
(3 credits)

A study of human tissues and organs by means of the microscope; and the correlation of histology to gross anatomy, physiology, biochemistry, embryology, and pathology. Kodachromes are used during lectures to illustrate some of these principles. There will be motion pictures on gross anatomy, cytology and surgery.

Three lectures per week for one semester.

Second semester

James H. Graham

Bi 431—Histology Laboratory*
(1 credit)

Required of all students in Bi 430.

One three-hour laboratory period per week for one semester.

Second semester

James H. Graham

Bi 440—Molecular Biology
(3 credits)

Prerequisites: Bi 210-212, Ch 231-232.

An introduction to the study of the structure, synthesis and function of nucleic acids and proteins. Topics will include methods for studying the structure of macromolecules, synthesis of nucleic acids and proteins, kinetics and mechanism of enzyme action, biochemical regulatory mechanisms, etc.

Three lectures per week for one semester.

First semester

Donald J. Plocke, S.J.

Bi 442—Principles of Ecology
(3 credits)

Prerequisites: one course in biology and one in chemistry or permission of Instructor.

Readings in and discussion of principles and concepts in modern ecological theory. Odum's Fundamentals of Ecology (3rd ed.) and selected papers from current literature will form the basis for discussion.

Two 75-minute periods per week for one semester.

First semester

Maria L. Bade

Bi 450—General Physiology
(3 credits)

The cell's organization. The cell's environment, including water, gases, temperature and pH. Exchange of materials across the cell membrane. Bioenergetics. Irritability and contractility.

Three lectures per week for one semester.

First semester

Francis L. Maynard

Bi 451—General Physiology Laboratory*
(1 credit)

To be taken in conjunction with Bi 450.

One three-hour laboratory period per week for one semester.

First semester

Francis L. Maynard

Bi 454—Vertebrate Physiology
(3 credits)

A study of the basic principles of physiology, primarily as illustrated by the vertebrates, with emphasis on the physico-chemical aspects and homeostatic mechanisms of the functional systems.

Three lectures per week for one semester.

Second semester

Francis L. Maynard

Bi 455—Vertebrate Physiology Laboratory*
(1 credit)

To be taken in conjunction with Bi 454.

One three-hour laboratory period per week for one semester.

Second semester

Francis L. Maynard

Bi 461-463—Undergraduate Research*
(3 credits)

Undergraduate students of advanced standing may participate in research projects in the laboratory of any faculty member.

Both semesters

The Department

Bi 465-467—Advanced Undergraduate Research*
(3 credits)

Seniors who have completed at least one semester of undergraduate research may enroll in this course with the permission of the staff.

Both semesters

The Department

Bi 470—Evolution Seminar
(3 credits)

Prerequisite: permission of the Instructor is required.

The Philosophical and Theological aspects of evolution in general will be treated in the first half of the course, followed by the scientific treatment of the origin of life. If time permits, the origin of man will also be treated.

Approximately 4 hours per week for one semester.

Second semester

William D. Sullivan, S.J.

Bi 480—The Biosphere
(3 credits)

Prerequisites: one semester organic chemistry.

A study of how living matter is maintained by the interaction of energy and chemical cycles. The importance of photosynthesis, respiration, nitrogen fixation and other life sustaining processes will be discussed.

Three meetings per week.

Second semester

Joseph A. Orlando

Bi 490—Tutorial in Biology
(3 credits)

A directed study through assigned readings and discussions of various areas of the biological sciences. Enrollment is with the permission of the professor.

Both semesters

The Department

Bi 500—Introduction to Biochemistry I
(3 credits)

Prerequisite: Ch 231-232.

A study of the biochemistry of carbohydrates, lipids, nucleic acids, proteins, enzymes and coenzymes. Certain aspects of electron transport, bioenergetics, gene action, control mechanisms and macromolecular biosynthesis will also be included.

Two seventy-five minute lectures per week for one semester.

First semester

Joseph A. Orlando

Bi 501—Introduction to Biochemistry Laboratory*
(1 credit)

To be taken in conjunction with Bi 500.

One three-hour laboratory period per week for one semester.

First semester

Joseph A. Orlando

Bi 502—Introduction to Biochemistry II
(3 credits)

A continuation of Biology 500.

Second semester

Chester S. Stachow

Bi 503—Introduction to Biochemistry Laboratory II*
(1 credit)

To be taken in conjunction with Bi 502.

One three-hour laboratory period per week for one semester.

Second semester

Chester S. Stachow

Bi 510—General Endocrinology
(4 credits)

Lectures on the embryology, morphology, the physiologic and biochemical actions of endocrine glands with some emphasis on clinical considerations. The course is limited to juniors and seniors who have completed two of the following prerequisites: introductory biology, physiological psychology, embryology, histology (or cytology), physiology, organic chemistry, biochemistry. A term paper is required.

Two two-hour lectures per week for one semester.

Second semester

Jolane Solomon

Faculty

Department of Biology

<i>Professors:</i>	William D. Sullivan, S.J., Yu-Chen Ting, Chai H. Yoon.
<i>Associate Professors:</i>	Maria L. Bade, Walter J. Fimian, Jr., James J. Gilroy, Maurice Liss, Francis L. Maynard, Joseph A. Orlando, Donald J. Plocke, S.J. (<i>Chairman</i>), Peter Rieser, Chester S. Stachow.
<i>Assistant Professors:</i>	Allyn H. Rule*.
<i>Lecturers:</i>	James H. Graham, M.D., Elinor M. O'Brien, Jolane Solomon.
<i>Teaching Fellows:</i>	John Coughlin, Zoreh Rezai, Anne Topor.
<i>Graduate Assistants:</i>	Robert Bak, Thomas Berger, Y. Mohan Bhatnagar, Bruce Croffy, Ann Ford, John Fortunato, Ronald Iorio, V. Bayo Jegede, Ban An Khaw, Nancy Ma, Ronald Majocha, Anne Morin, Rita Ryan, Lorraine Sartori, Jonathan Shoukimas, Carol Tesone, Marshall Yokell.
<i>NDEA Fellows:</i>	Mary LaChance, Sister Eileen Riordan.

* On leave of absence, 1972-1973

Department of Chemistry (Ch)

An asterisk after a course title indicates that a course carries a laboratory fee.

Ch 101—Fundamentals of Chemistry
(3 credits)

Prerequisite: one year of high school chemistry.

A course designed primarily for students interested in a career in nursing. The course treats basic chemical concepts and principles to help form a better understanding of vital processes and clinical applications. The course is applicable to the University Core requirement.

First semester

T. Ross Kelly,
John R. Trzaska, S.J.

Ch 102—Fundamentals of Organic Chemistry
(3 credits)

Prerequisite: Ch 101.

This course continues the treatment of basic chemical concepts and principles of importance in nursing. It deals with organic and biochemistry including a study of the structures, reactions, and metabolisms of proteins, carbo-

hydrates and lipids. The course is applicable to the University Core.

Second semester

Timothy E. McCarthy,
John R. Trzaska, S.J.

Ch 103—Fundamentals of Chemistry Laboratory*

(0 credits)

Laboratory required of all students enrolled in Ch 101.

One two-hour period per week.

First semester

T. Ross Kelly,
John R. Trzaska, S.J.

Ch 104—Fundamentals of Organic Chemistry Laboratory*

(0 credits)

Laboratory required of all students enrolled in Ch 102.

One two-hour period per week.

Second semester

Timothy E. McCarthy,
John R. Trzaska, S.J.

Ch 105-106—Chemistry and Society

(3, 3 credits)

A course designed exclusively for those not majoring in the natural sciences. The structure and methodology of science as exemplified by chemistry is treated along with the practical effects of chemistry upon society. The application of chemical principles to environmental problems will be stressed. No prior knowledge of chemistry is required and the use of mathematics is minimal.

Irving J. Russell

Ch 109-110—General Chemistry

(3, 3 credits)

Prerequisite: one year of high school chemistry.

This course is intended for students whose major interest is science or medicine. It offers a rigorous introduction to the principles of inorganic chemistry, with special emphasis on quantitative relationships, chemical equilibrium, and the structures of atoms, molecules, and crystals. The properties of the more common elements and compounds are considered against a background of these principles and the periodic table.

Donald I. MacLean, S.J.

Dennis J. Sardella

John R. Trzaska, S.J.

Ch 111-112—General Chemistry Laboratory*

(1, 1 credit)

Laboratory required of all students enrolled in Ch 109-110.

One three-hour period per week.

Donald I. MacLean, S.J.

Dennis J. Sardella

John R. Trzaska, S.J.

Ch 117-118—Principles of Chemistry

(3, 3 credits)

Prerequisites: one year each of high school chemistry and physics.

Physical principles of chemistry and their applications will be stressed, with emphasis on molecular structure, spectroscopy, thermodynamics and equilibria. Enrollment is determined by the Department.

André J. de Béthune

Ch 119-120—Principles of Chemistry Laboratory*
(1, 1 credit)

Laboratory required of all students enrolled in Ch117-118.
One three-hour period per week.

André J. de Béthune

Ch 231-232—Organic Chemistry
(3, 3 credits)

Prerequisites: Ch 109-110 or Ch 117-118.

An introduction to the chemistry, properties, and uses of organic compounds. Correlation of structure with properties, reaction mechanisms, and modern approach to structural and synthetic problems are stressed throughout. In the laboratory, the aim is acquisition of sound experimental techniques through the synthesis of selected compounds.

O. Francis Bennett
Joseph Bornstein
T. Ross Kelly
Henry Maltz
George Vogel

Ch 233-234—Organic Chemistry Laboratory*
(1, 1 credit)

Laboratory required of all students enrolled in Ch 231-232.
One four-hour period per week.

O. Francis Bennett
Joseph Bornstein
T. Ross Kelly
Henry Maltz
George Vogel

Ch 341—Determination of Organic Structures
(4, 4 credits)

Prerequisite: Ch 31-32.

The course is designed to introduce the student to the methodology of organic chemical research while at the same time affording him a deeper insight into the chemical and physical properties of functional groups. The elucidation of the structures of a number of organic compounds is carried out by a combination of classical and modern instrumental methods; separative techniques as well as small-scale degradative and synthetic experimentation are stressed in the process. Practice in the carrying out of literature searches and in the solution of numerous textbook problems in structural organic chemistry are additional features of the course.

First semester

Joseph Bornstein

Ch 343—Determination of Organic Structures Laboratory*
(0 credits)

Laboratory required of all students enrolled in Ch 341.
Two four-hour laboratory periods per week.

First semester

Joseph Bornstein

Ch 351-352—Analytical Chemistry
(4, 4 credits)

A study of the fundamental chemical laws and the theory of solutions as applied to analytical chemistry. Volumetric and gravimetric methods will be emphasized in the first semester and instrumental procedures in the second semester.

Vishubhotla Subrahmanyam
E. Joseph Billo

Ch 353-354—Analytical Chemistry Laboratory*
(0, 0 credits)

Laboratory required of all students enrolled in Ch 351-352.
One four-hour period per week.

Vishubhotla Subrahmanyam

Ch 471-472—Introductory Physical Chemistry
(3, 3 credits)

Prerequisites: Cl 109-110, Mt 100-101, Ph 211-212.

A two-semester course for those not planning a career in chemistry. Topics treated include thermodynamics, kinetic theory and quantum mechanics with applications to systems of interest.

André J. de Béthune
Vishubhotla Subrahmanyam

Ch 475—Physical Chemistry I: Thermodynamics
(3 credits)

Prerequisites: Ch 231-232, Mt 200-201, Ph 211-212.

An introduction to thermodynamics and electrochemistry with application to current problems in chemistry and biology.

First semester

Vishubhotla Subrahmanyam

Ch 476—Physical Chemistry II: Structure
(3 credits)

Prerequisite: Ch 475.

An introduction to quantum mechanics and atomic and molecular spectroscopy with application to current problems in chemistry and biology.

Second semester

Yuh Kang Pan

Ch 478—Physical Chemistry Laboratory I*
(1 credit)

Laboratory required of all students enrolled in Ch 476.

One four-hour laboratory per week.

Second semester

Yuh Kang Pan

Ch 520—Principles of Inorganic Chemistry
(3 credits)

An introduction to the principles of inorganic chemistry with emphasis on structural and thermodynamic aspects.

Second semester

Robert F. O'Malley

Ch 522—Inorganic Chemistry Laboratory*
(3 credits)

A course in inorganic synthesis including characterization of the products.

Second semester

Robert F. O'Malley

Ch 531—Advanced Organic Chemistry II
(3 credits)

A detailed discussion of structure and mechanism in organic chemistry. Stereochemistry, spectral data interpretation, intermediates (carbonium ions, carbanions, carbenes and radicals) and orbital symmetry correlations are considered.

First semester

George Vogel

Ch 532—Chemistry of Macromolecules
(3 credits)

The fundamental chemistry, properties, and importance of synthetic and naturally occurring macromolecules will be covered. Materials of biological interest will be included.

Second semester

O. Francis Bennett

Ch 534—Organic Synthesis
(3 credits)

The most useful reactions of organic chemistry will be discussed in detail and practical applications made.

Second semester

Joseph Bornstein

Ch 536—Organic Synthesis Laboratory*
(3 credits)

Methods, techniques, and reactions used in the preparation of organic compounds that offer more than usual difficulty. One lecture and two laboratory periods per week.

Second semester

Joseph Bornstein

Ch 551—Advanced Analytical Chemistry
(4 credits)

A consideration of modern instrumental methods of analysis, including atomic emission and absorption, ultra-violet, visible, infrared and NMR spectrometry, x-ray methods, mass spectrometry, electroanalytical methods and gas chromatography. Application of these techniques to problems of chemical analysis, and to the determination of structure of inorganic and organic molecules. Three lectures and one four-hour laboratory per week. May not be taken without Ch 553.

First semester

E. Joseph Billo

Ch 553—Advanced Analytical Chemistry Laboratory*
(0 credits)

Laboratory work to accompany Ch 551.

First semester

E. Joseph Billo

Ch 562—Biochemistry
(3 credits)

A detailed study of amino acids and proteins, fats, carbohydrates, enzymes and vitamins, the intermediate metabolism of these compounds, and the recent theories relative to the chemistry of the living cell.

Second semester

Timothy E. McCarthy

Ch 571—Physical Chemistry III: Dynamics
(3 credits)

An introduction to statistical thermodynamics and chemical kinetics with application to current problems in chemistry and biology.

First semester

Yuh Kang Pan

Ch 572—Quantum Chemistry and Molecular Structure
(3 credits)

A development of the principles of quantum chemistry as they apply to inorganic and organic chemistry. Emphasizes the use of molecular orbital method and includes a discussion of group theory.

Second semester

Yuh Kang Pan

Ch 575—Experimental Physical Chemistry*
(4 credits)

An introduction to experimental methods for obtaining physical chemical data. Experiments are selected to illustrate basic principles of physical chemistry. Two lectures and six hours laboratory per week.

First semester

William G. Valance

Ch 576—Nuclear and Radiochemistry
(4 credits)

The theory and practice of radiochemistry, including a review of radiochemical techniques and their applications to research in diverse fields, especially the environmental sciences.

Second semester

Irving J. Russell

Ch 578—Nuclear and Radiochemistry Laboratory*
(0 credits)

Laboratory required of all students enrolled in Ch 576.

One four-hour period per week.

Second semester

Irving J. Russell

Ch 591-592—Introduction to Chemical Research
(3, 3 credits)

The essential feature of this course is an independent research project performed under the supervision of a faculty member. The individual work will be preceded by a series of lectures and demonstrations on the use of the library and several essential laboratory techniques.

The Department

Faculty

Department of Chemistry

<i>Professors:</i>	André J. de Béthune, Joseph Bornstein, George Vogel.**
<i>Associate Professors:</i>	O. Francis Bennett, Jeong-long Lin,** Donald I. MacLean, S.J., Henry Maltz, Timothy E. McCarthy,* Robert F. O'Malley, Yuh Kang Pan, Irving J. Russell, Dennis J. Sardella.
<i>Assistant Professors:</i>	E. Joseph Billo, T. Ross Kelly, Vishubhotla Subrahmanyam, John R. Trzaska, S.J., William G. Valance.

* Sabbatical Leave, First Semester 1972-1973.

** Sabbatical Leave, Second Semester 1972-1973.

*** Sabbatical Leave, First & Second Semesters 1972-1973.

Department of Classical Studies (Cl)

The courses offered are designed to meet the needs of three classes of students: those who wish to fulfill the language requirements; those who wish to minor in Classics while concentrating in other fields; and those who wish to major in Classics. Concentration on text courses is strongly recommended for students preparing for graduate study and professional work in the field of Classics.

Courses of Instruction

Cl 10-11—Elementary Latin
(3, 3 credits)

An intensive course for beginners aimed at early reading of Latin authors.

Both semesters

David Gill, S.J.

CI 20-21—Elementary Greek
(3, 3 credits)

This course introduces students to Attic Greek with a view to early reading of connected prose.

Both semesters

Carl Thayer, S.J.

CI 50-51—Intermediate Latin
(3, 3 credits)

A survey of prose and poetry of moderate difficulty.

Both semesters

Malcolm McLoud

CI 52-53—Intermediate Greek
(3, 3 credits)

Attic prose authors of moderate difficulty, such as Plato and Demosthenes, are studied.

Both semesters

Carl Thayer, S.J.

CI 202-203 (En 223-224)—Greek Drama in Translation
(3, 3 credits)

A reading of Greek dramatic authors in English translation with study of literary, historical, mythological and philosophical questions relevant to them.

Both semesters

Carl Thayer, S.J.

CI 208-209 (Hs 163-164)—History of Rome
(3, 3 credits)

The first semester will survey the rise of Rome to world domination, with emphasis upon the workings of domestic power politics in the Republic. The second semester will trace the course of the Roman Empire from Augustus to Constantine with accent upon the Principate, the decline and fall of the Empire, and early Christianity in its historical setting.

Both semesters

David Gill, S.J.

Offered biennially, 1972-1973

**CI 210-211 (PI 320-321)—The Early and Middle Dialogues of Plato:
The Socratic Problem**
(3 credits)

Reading (in translation) and discussion of the Dialogues to and including the *Republic*. A serious effort will be made to distinguish Socratic and Platonic elements in them.

Both semesters

Joseph Maguire

CI 212-213 (PI 325-326)—The Young Aristotle
(3 credits)

Reading and discussion of the fragments in their relation to Plato and the Academy, on the one side, and, on the other, to Aristotle's own treatises on ethics, psychology, physics, and ontology.

Both semesters

Joseph Maguire

CI 214—The Bases of Greatness
(3 credits)

The course will be centered on Athens at its apex, from the first democratic reforms through Aristotle's summary of the developed institutions; and then the loss of freedom: about a century and a half (479-322 B.C.). Attention will be given chiefly to the ferment which resulted in creative achievements, but the course will be designed to give some acquaintance also with the products

themselves, in literature, art, philosophy, and religion, as well as in the democracy. The inheritance from earlier centuries, back to the Bronze Age, will be dealt with briefly, and the persistence of traits and institutions after the loss of freedom. Knowledge of Greek not required.

First semester

Sterling Dow

CI 215H—Archaic Greece
(3 credits)

A seminar on the culture, social structure, and history of Greece in the period of renaissance after the Dark Age and before the Classical. Ability to read Greek is not required.

Second semester

Sterling Dow

CI 217 (En 217)—The Ancient Epic
(3 credits)

A reading in translation of Homer's *Iliad* and *Odyssey* and Vergil's *Aeneid*. Lectures and discussion.

Second semester

Eugene Bushala

CI 306—Juvenal
(3 credits)

Reading of selected Satires.

First semester

Malcolm McLoud

CI 308-309—Euripides and Aristophanes
(3, 3 credits)

A reading and study of the Greek text of plays in the first volume (Oxford text) of each author.

Both semesters

Carl Thayer, S.J.

CI 326—Hesiod
(3 credits)

A study of the *Works and Days*, the *Theogony* and selected fragments of Hesiod, with emphasis on the poems as sources for the history and mentality of Early Archaic Greece.

First semester

David Gill, S.J.

CI 327—Sallust
(3 credits)

A study of the *Catiline* and *Jugurtha* with discussion of the politics and personalities of the late Roman Republic.

Second semester

David Gill, S.J.

CI 328-329—Philosophic Greek
(3, 3 credits)

Practise in reading selected philosophic texts.

Both semesters

Joseph Maguire

CI 330-331 (Th 414-415)—Letters of St. Jerome
(3, 3 credits)

Reading of selected letters of St. Jerome in Latin, with attention to linguistic, historical, stylistic and textual problems.

Both semesters

Margaret Schatkin

CI 332-333 (Th 416-417)—Basil the Great
(3, 3 credits)

Reading of the Greek text of representative letters and of the *Exhortation to Youths as to How They Shall Best Profit by the Writings of Pagan Authors*. Special emphasis will be placed on the literary and historical problems as well as the doctrinal and ecclesiastical importance of these writings.

Both semesters

Margaret Schatkin

CI 334 (Th 412)—Augustine: Sermones
(3 credits)

Prerequisite: a fair knowledge of Latin.

Using as a text the *Biblioteca de autores Christianos*, vol. VII in the *Obras de San Augustin*, and other selected sermons, about 75 sermons will be read, in Latin. The sermons afford an excellent introduction to the thought of Augustine the bishop, to his world, and his theology. Literary themes found there are influential in medieval literature. Open also to Theology, Medieval Studies, and Romance Language students.

First semester

T. P. O'Malley, S.J.

CI 335 (Th 413)—Augustine: Homilies
(3 credits)

Prerequisite: a fair knowledge of Latin.

This course is designed to be continuous with CI 334—Th 412, but new students may join in second semester. The text will be Vol. X in the *Obras de San Augustin, Homilias*, with other selections. The homilies too, provide an excellent introduction to the thought of Augustine the bishop, to his world, and his theology. Literary themes found there are influential in medieval literature. Open also to Theology, Medieval Studies, and Romance Language students.

Second semester

T. P. O'Malley, S.J.

CI 336—Horace
(3 credits)

Readings in Latin from the Epodes, the Satires, and, especially, the Odes. Emphasis will be primarily on reading the poems as poems.

First semester

Eugene Bushala

CI 337—Plautus and Terence: Selected Comedies
(3 credits)

A reading in Latin of several Roman Comedies.

Second semester

Eugene Bushala

CI 338—Three Greek Tragedies
(3 credits)

We will read in Greek the *Prometheus Bound* of Aeschylus, the *Oedipus* of Sophocles, and the *Hecuba* of Euripides with particular concern for defining the nature of a Greek tragedy.

First semester

Eugene Bushala

CI 339—Lysias: Selected Orations
(3 credits)

A reading in Greek of at least seven orations with special regard to historical setting.

Second semester

Eugene Bushala

CI 390-391—Readings and Research
(3 credits)

Tutorial in Classical Studies.

Both semesters

The Department

Faculty

Department of Classical Studies (CI)

<i>Professors:</i>	Joseph P. Maguire, Robert Renehan (Sabbatical Leave 1972-73).
<i>Associate Professors:</i>	Eugene W. Bushala, Thomas P. O'Malley, S.J.
<i>Assistant Professors:</i>	David Gill, S.J. (<i>Acting Chairman</i>), Malcolm McCloud, Carl J. Thayer, S.J.
<i>Visiting University Professor of the History and Civilization of Greece:</i>	Sterling Dow.

Department of Economics (Ec)

Normally, students must take both Ec 131 and Ec 132 before taking any other Economics courses. In special cases exceptions may be made. Ec 131 and Ec 132 are offered in both semesters and may be taken in either order.

Ec 131—Principles of Economics-Micro
(3 credits)

This course deals with determination of prices, output, and income distribution through the interaction of households and business firms in a free-enterprise economy. Government intervention and alternative systems are examined, and basic analytical tools are applied to current economic problems.

Both semesters

The Department

Ec 132—Principles of Economics-Macro
(3 credits)

This course introduces the student to an analysis of the determination of the level of income and employment, fluctuations in income, monetary and fiscal policy, inflation, and growth.

Both semesters

The Department

Ec 201—Microeconomic Theory
(3 credits)

This course develops a theoretical framework with which to analyze the two basic economic units, the consumer and the producer. This analysis is then employed to investigate the determination of price and output in various market situations, implications for welfare and the construct of general economic equilibrium.

Both semesters

John J. Murphy, S.J.
Andre Daniere
Harriet Tolpin

Ec 202—Macroeconomic Theory
(3 credits)

This course intends to equip the student for the analysis of the determination of employment and of national income and its components. Emphasis

will be placed on the Keynesian theory of employment, interest, and money and on post-Keynesian cycle and growth models.

Both semesters

Alice E. Bourneuf
Steven D. Beggs

Ec 205—Microeconomic Theory
(3 credits)

This course is the same as Ec 201 except that greater use of mathematics will be made. Students taking this course must have had calculus. Additional mathematical topics will be developed as their need arises. Students considering graduate work in economics as well as those with mathematical inclination are strongly urged to take this section.

First semester

Donald K. Richter

Ec 206—Macroeconomic Theory
(3 credits)

This course is the same as Ec 202 except that greater use will be made of mathematics. Students taking this course must have had calculus.

Second semester

Donald K. Richter

Ec 221—Economic Statistics
(3 credits)

Probability, random variables, sampling distribution, estimation of parameters, tests of hypotheses, regression as applied to economic models. This is a self-contained course in statistical inference as applied to economics.

Both semesters

Steven D. Beggs
Glenworth Ramsay

Ec 227—Econometrics I: Probability and Statistics
(3 credits)

Prerequisite: Calculus.

This course presents the statistical background required as an introduction to the study of Econometrics: probability, random variables (discrete and continuous), sampling distributions, estimation (estimators and their properties, including asymptotic properties) and hypothesis testing.

First semester

Marvin Kraus

Ec 228—Econometrics II
(3 credits)

Prerequisite: Ec 227 or its equivalent. Ec 221 is not sufficient for this purpose.

A development of the analytical techniques for the statistical measurement and testing of theoretical economic relationships. The course begins with a review of the methods and problems associated with simple and multiple linear regression and includes a consideration of modern methods of estimating the parameters of equations in simultaneous economic models.

Second semester

Martin Kraus

Ec 332—American Economic History
(3 credits)

Various aspects of American economic history will be elucidated through the use of economic theory. Conversely, a variety of historical materials will be used to suggest desirable alterations in certain economic models.

Second semester

James E. Anderson

Ec 333—History of Economic Thought
(3 credits)

This course surveys the main trends of Western economic thought from ancient times to Keynes. The economists' ideas will be related to the socio-economic and intellectual background of their times.

Both semesters

Robert J. Cheney, S.J.

Ec 340—Labor Economics
(3 credits)

Critical issues in labor economics will be examined against a background of study of the institutions of collective bargaining and the economics of wages and employment. Insights into the collective bargaining process and the determinants of wages and employment will be applied to three current problems, technological change, unemployment and the disadvantaged worker, and the impact of collective bargaining on wages.

Both semesters

Francis M. McLaughlin

Ec 341—The Consumer Revolution in the World Economy
(3 credits)

Case studies in the Consumer Revolution: the objectives, methods, and effects of the Consumer Revolution in selected areas and industries, e.g., automobiles, credit, health care, food.

First semester

Robert J. McEwen, S.J.

Ec 342—Seminar on Government Consumer Protection Activities
(3 credits)

The role of national and local governments in consumer protection, U.S. and foreign government agencies and laws to prevent consumer fraud, to control restrictive business practices, to license occupations, to regulate consumer credit, to enforce health and safety standards, and to improve consumer welfare.

Second semester

Robert J. McEwen, S.J.

Ec 345—Issues in Public Policy
(3 credits)

This course will utilize the tools of microeconomics to analyze current issues in the attempts to reform the educational, welfare and health care systems. Specific topics to be covered include efficiency and the organization of educational systems, welfare laws and work incentives, medical insurance and the efficiency of health care systems.

First semester

Geoffrey Woglom

Ec 347—Problems of Economic Organization
(3 credits)

The course introduces students to general-equilibrium theory and topics in micro-economic analysis by way of seeking solutions to problems of social organization and public policy. Modern systems of national economic organization are examined in the light of alternative "social welfare" objectives. An elementary treatment of general control and feedback systems for optimum resource allocation provides the unifying framework.

First semester

André Daniere

Ec 348—Problems of Public Policy
(3 credits)

This course deals primarily with the methods and contents of cost-benefit analysis as applied to "social programs or policies." Some of the areas

covered are: income maintenance, education, health, urban renewal, environmental control. In addition, the course covers problems of economic stabilization and full employment. Students taking the course will carry out a limited research project, individually or in teams.

Second semester

André Danieri

Ec 353—Industrial Organization
(3 credits)

Prerequisite: Ec 201 or Ec 205 or permission.

An analysis of the relationship of market structures to the market conduct of business enterprises, and of each of these to market performance, will be made, with examples from specific industries. The market performance that results from different types of structure and of conduct will be examined in the light of the objectives of public policy.

First semester

Glenworth Ramsay

Ec 355—Economic Activity, Welfare and the Environment
(3 credits)

The realism of standard assumptions and the limitations of basic theory are considered with reference to the analysis of topics in welfare in general and on environmental deterioration in particular.

Offered Fall, 1973-1974

William J. Duffy

Ec 357—Political Economics I
(3 credits)

An investigation of the distribution of economic and political power in America will be undertaken. The course begins with an inquiry into conservative, liberal, and radical economic perspectives, continues with an empirical study of social class and economic power, investigates corporate wealth and ownership, and finally concludes with a discussion of the role of the state under modern capitalism.

First semester

Barry Bluestone

Ec 358—Topics in Modern Political Economics
(3 credits)

Prerequisite: Ec 357 or permission of the Instructor.

An in-depth political economic investigation of up to five of the following topics in political economics: foreign policy and imperialism, poverty and labor markets, education, discrimination and racism, women's liberation and sexism, health care, the environment, militarism, taxation, and the urban crisis.

Second semester

Barry Bluestone

Ec 361—Money and Banking
(3 credits)

Prerequisite: Ec 202 or Ec 206 or permission.

This course analyzes the fundamentals of the banking systems and deposit creation, the organization and the operation of the Federal Reserve System, and the central bank monetary policy.

Both semesters

Kenneth A. Lewis

Ec 366—Public Finance
(3 credits)

Prerequisite: Ec 201 or Ec 205 or concurrent.

An analysis of federal, state, and local government expenditures to provide goods and services, and to affect the allocation of resources by the private

sector; criteria for public investment; alternative methods of financing government expenditures with emphasis on problems of state and local governments. The analysis will stress current U.S. problems.
Second semester Richard W. Tresch

Ec 367—Inflation, Unemployment, and Poverty: The Role of Government
(3 credits)

This course assesses the role of government in combating inflation, unemployment, and poverty. Its primary emphasis will be on questions of policy: what is the cause of the problem; what can the government do about it; and what has the government actually done about it? The course will concentrate on recent economic experience in the U.S. and will include the following topics: policies to stimulate the economy in the early 1960's; financing the Vietnam war; causes of the recent inflation and recession; the war on poverty and the negative income tax.
Second semester Geoffrey Woglom

Ec 371—International Economics
(3 credits)

Prerequisite: Ec 201 or Ec 205; Ec 202 or Ec 206 or concurrent or permission.

The theory of international specialization with its focus on world trade and factor movements is the primary concern of this course. Topics such as tariff protection, trade problems of the developing nations, and customs unions will also be covered.
Both semesters

James E. Anderson
John J. Murphy, S.J.

Ec 375—Economic Development
(3 credits)

This course considers the economic characteristics of the less developed countries, the theories offered as explanations of the sources of development, and the principal issues facing policy makers in these countries.
First semester Francis M. McLaughlin

Ec 376—Labor Problems in Economic Development
(3 credits)

This course will concentrate on labor's role in the process of economic development. Special attention will be given to such topics as unemployment, labor migration, wage determination, labor force participation, the occupational and industrial composition of the labor force, manpower planning, and the role of labor organization.
Second semester Francis M. McLaughlin

Ec 380—Capital Theory and Finance
(3 credits)

Prerequisite: Ec 201 or Ec 205 and Ec 221 or Ec 227 or with permission.
Valuation, of assets, rates of return, cost of capital, risk and portfolio choice, the firm's investment decision, and special problems in investment such as human capital, the public sector, the tax structure, and the growth of conglomerates.
First semester Harold Petersen

Ec 381—Labor and the Public Interest
(3 credits)

This course is a critical review and analysis of the evaluation of public labor policy in the United States, including examination in depth of the issues stemming from the growing influence of organization and collective negotiations in nonprofit institutions, among certain professional groups, and in federal, state, and municipal employment.

First semester

Donald J. White

Ec 394—Economic Problems of the City
(3 credits)

The problems that are unique to the city, as opposed to the region or the nation, will be identified and examined. Attention will be given to income maintenance, housing, city finance, intra-metropolitan location of residential and business activity, and provision of local government services.

Second semester

Robert B. Wallace

Ec 397—Soviet Economic System
(3 credits)

Analysis of factors determining the rate of growth of the Soviet economy and of methods used by Soviet planners in mobilizing resources and in their allocation. Special attention is given to recent reforms of managerial incentives and to the operational efficiency of the Soviet economy.

First semester

Leon Smolinski

Ec 398—Comparative Economic Systems
(3 credits)

The main purpose of this course is to acquaint the student with the operational principles of noncapitalist economic systems such as democratic socialism, Soviet type economies, and Yugoslav market socialism. Special attention is given to the theory and practice of economic planning and to the ways in which various economic systems attempt to achieve rapid growth, efficient resource allocation, and social welfare.

Second semester

Leon Smolinski

Ec 298—Senior Honors Thesis
(3 credits)

The student works under the direction of an individual professor.

First semester

The Department

Ec 299—Independent Study
(3 credits)

The student works under the direction of an individual professor.

Both semesters

The Department

UA 301—The Study of Urbanization and Urban Life
(3 credits)

Prerequisite: Junior level and the completion of the core requirements in History and Social Science.

An interdisciplinary course, led by a team of social scientists, which seeks to introduce the student to the questions, approaches, and analytical tools of the social science and other disciplines in the study of the process of urbanization, the nature of urban change, and the structure, conditions, consequences, and prospect of urban life.

Offered Fall, 1973-1974

Robert B. Wallace and others

Faculty

Department of Economics

<i>Professors:</i>	Alice E. Bourneuf, Ann F. Friedlaender*, W. Seavey Joyce, S.J.*, H. Michael Mann*, Robert J. McEwen, S.J., Leon Smolinski, Donald J. White.
<i>Associate Professors:</i>	James E. Anderson, David A. Belsley, André L. Daniere, Francis M. McLaughlin, Harold Petersen (<i>Chairman</i>).
<i>Assistant Professors:</i>	Steven D. Beggs, Robert J. Cheney, S.J., William Duffy, Vincent F. Dunfey, Kenneth Lewis, John J. Murphy, S.J., John G. Riley, Robert B. Wallace.
<i>Instructors:</i>	Barry Bluestone, Marvin Kraus, Gur Offer, Donald K. Richter, Richard W. Tresch, Geoffrey Woglom.
<i>Lecturers:</i>	Glenworth Ramsay, Harriet Tolpin.
<i>Teaching Fellows:</i>	Paul Altieri, John Deegan, James Delaney, Christine Doyle, Rich Fristensky, Edward Kienzle, David Marcinko, Charles Maloy, Rene Smith, William Spaeth.

* On Leave of Absence.

Department of English (En)

En 001-002—Freshman English (3, 3 credits)

The general aim is to train the student in the imaginative uses of language through disciplined reading and frequent writing assignments.

The student may elect each semester any one of the following versions of the course: Writing and Rhetoric, Survey of English Literature, Literary Analysis, Poetry and Drama, Prose Fiction, Theme.

Both semesters

The Department

En 090—English For Foreign Students (3, 3 credits)

Repeated Fall and Spring semester. Four hours of class, four hours of language laboratory, two hours of tutoring required. Open to undergraduates, graduate students, teaching assistants, faculty, and other interested people on campus. Pronunciation, listening, writing, and reading of English for use in the college community in which the students must operate.

Both semesters

Paul Smith

UNDERGRADUATE ELECTIVE COURSES

En 103.01-104.01—Introduction to English Studies (3, 3 credits)

This section is primarily an introduction to English literary history and to the discipline and methodology of literary history. The principal English authors and works from *Beowulf* to Yeats, in chronological order constitute its subject matter.

Both semesters

R. E. Reiter

En 103.02-104.02—Introduction to English Studies (3, 3 credits)

This section is designed to train students in reading literary texts of different genres and from different periods and to discover some of the connections

among them. Fall term will consist of detailed analysis of lyric poems by Shakespeare, Donne, Marvell and Milton, Shakespeare's *Othello*, Milton's *Paradise Lost*.

Both semesters Anne Ferry

En 103.03-104.03—Introduction to English Studies
(3, 3 credits)

See the description for Section .02 above.

Both semesters Kate Bluestein

En 103.04-104.04—Introduction to English Studies
(3, 3 credits)

See the description of Section .02 above.

Both semesters Morris Wee

En 103.05-104.05—Introduction to English Studies
(3, 3 credits)

See the description of Section .02 above.

Both semesters Donald Gertmenian

En 103.06-104.06—Introduction to English Studies
(3, 3 credits)

This section is a survey of major writers of English literature, principally along historical lines. The first semester covers matters from the late Middle Ages to the 18th century. The second, from the Romantics on.

Both semesters John Strommer

En 103.07-104.07—Introduction to English Studies
(3, 3 credits)

See the description of Section .02 above.

Both semesters Michael Jones

En 103.08-104.08—Introduction to English Studies
(3, 3 credits)

See the description of Section .02 above.

Both semesters M. J. Echols

En 103.09-104.09—Introduction to English Studies
(3, 3 credits)

See the description of Section .02 above.

Both semesters Ruth Weinstock

En 103.10-104.10—Introduction to English Studies
(3, 3 credits)

See description of Section .02 above.

Both semesters Ilona Bell

En 103.11-104.11—Introduction to English Studies
(3, 3 credits)

This section will take as its topic Studies in the Greater English Renaissance. The year will be divided into roughly three areas of investigation: I. SOME VERSIONS OF TRADITION—an investigation of similarities and differences within and between groups of poems spanning a period from Wyatt to Johnson; II. THE PERILOUS BALANCE: HEROIC IDEALS AND "TH'EXPENSE" OF LOVE—studies in Ben Jonson, Spenser, Ben Jonson, Shakespeare, Dryden, Sidney and

Donne; and III. SOME VERSIONS OF PASTORAL—studies in Marlowe, Sidney, Donne, Marvell, Milton, Pope and Shakespeare.

Both semesters

Alan Weinblatt

En 110—Creative Writing: The Craft of Fiction
(3 credits)

A workshop aimed at developing the student's ability to write fiction.

First semester

Leonard Casper

En 112—Creative Writing: The Art of Fiction
(3 credits)

An extension of En 110, though that course is not prerequisite.

Second semester

Leonard Casper

En 113—Drama Survey I
(3 credits)

Survey of Drama I purports to explain the rise of Western Drama in Greece, its collapse by the time of the barbarian invasion, its new beginning in Medieval Drama especially in England, and the beginning of the Elizabethan Drama in England up to but not including Shakespeare.

First semester

John Fitzgerald

En 114—Drama Survey II
(3 credits)

Survey of Drama II purports to explain the rise of Neo-Classical Drama in France; eighteenth century drama in England; and nineteenth century drama in Continental Europe and the British Isles.

Second semester

John Fitzgerald

En 115—Courtly Love in the Middle Ages
(3 credits)

A survey of middle English writings, by major and minor authors, which reflect ambivalence about earthly and other forms of love.

Second semester

John Strommer

En 116—Dramatic Literature of the Middle Ages
(3 credits)

An intensive study of the drama of medieval England, with especial concern for staging, characterization and development of plot.

First semester

John Strommer

En 118—Comparative Renaissance Literature
(3 credits)

Selected readings in the intellectual history and the literature of the West from about 1100 up to the Elizabethan period in England.

Second semester

Thomas Hughes

En 125.01—Poetics
(3 credits)

The aim of the course is to have each student work out answers to the questions, "What is good poetry?" "What is poetry good for?" Poems will be written and performed as well as read.

Second semester

Joseph Appleyard, S.J.

En 125.02—Poetics
(3 credits)

See the description of En 125.01.

Second semester

Joseph Appleyard, S.J.

En 128—Shakespeare I
(3 credits)

A study of the Histories and Comedies, with detailed analysis of the texts of *Richard II*, *I Henry IV*, *Romeo and Juliet* and *Twelfth Night*.

First semester

P. Albert Duhamel

En 129—Shakespeare II
(3 credits)

A study of the Tragedies and Romances, with detailed analysis of the texts of *Hamlet*, *King Lear*, *Macbeth*, *Anthony and Cleopatra* and *The Tempest*.

Second semester

P. Albert Duhamel

En 130—Shakespeare Survey I
(3 credits)

A study of the canon of histories and comedies, from 1590-1600.

First semester

Joseph Longo

En 131—Shakespeare Survey II
(3 credits)

A study of the canon of tragedies and romances, from 1600-1610.

Second semester

Joseph Longo

En 132—Shakespeare & His Contemporaries I
(3 credits)

A study of four to six comedies by Shakespeare and six to eight by his contemporaries, arranged in pairs or trios for comparison.

First semester

Joseph McCafferty

En 133—Shakespeare & His Contemporaries II
(3 credits)

Chronologically arranged pairings of four to six tragedies by Shakespeare with an equal number of tragedies by his contemporaries.

Second semester

Joseph McCafferty

En 136—Milton II
(3 credits)

Fairly detailed consideration of *Paradise Lost* and, secondarily, of *Paradise Regained* and *Samson Agonistes*.

Second semester

Edward Hirsh

En 139—Renaissance and 17th Century Poetry
(3 credits)

A reading of individual poems, and an exploration of developments in the style of lyric poetry from Sidney to Marvell.

First semester

Donald Gertmenian

En 140—Major Seventeenth Century Authors I
(3 credits)

Readings in the major poets (e.g., Donne, Marvell, Dryden), prose writers (e.g. Browne, Bunyan) and dramatists (e.g., Jonson, Webster, Ford, Congreve) of the period 1600-1700.

First semester

Robert Reiter

En 141—Major Seventeenth Century Authors II
(3 credits)

Readings in the major poets (e.e. Donne, Marvel, Dryden), prose writers (e.g. Browne, Bunyan) and dramatists (e.g., Jonson, Webster, Ford, Congreve) of the period 1600-1700.

Second semester

Robert Reiter

En 144—Literature & Science in the Eighteenth Century 1
(3 credits)

Traces the impact of science on literature during the period when modern science began its meteoric rise in England. Readings in Dryden, Swift, Addison and Steele, Pope, Young, Cowper, Blake, etc.

First semester

Daniel McCue

En 145—Literature & Science in the Eighteenth Century II
(3 credits)

Traces the impact of science on literature during the period when modern science began its meteoric rise in England. Readings in Dryden, Swift, Addison and Steele, Pope, Young, Cowper, Blake, etc.

Second semester

Daniel McCue

En 148—English Novelists I
(3 credits)

An attempt to suggest the range of English fiction of the 18th and 19th centuries in a selection of significant works.

First semester

John Loofbourow

En 149 English Novelists II
(3 credits)

A study of Jane Austin and the Brontes.

Second semester

John Loofbourow

En 150—The Romantic Movement in England I
(3 credits)

Major figures of the movement. The first semester will concentrate on Romantic theories of art, the poetry of William Blake, William Wordsworth and Samuel Taylor Coleridge, with some attention to the fiction of Walter Scott.

First semester

John Mahoney

En 151—The Romantic Movement in England II
(3 credits)

Major figures of the movement. The second semester will focus on the poetry and theory of Lord Byron, Percy Bysshe Shelley and John Keats and on the literary criticism of William Hazlitt.

Second semester

John Mahoney

En 152—Four Romantic Poets
(3 credits)

A study of Wordsworth, Coleridge, T.S. Eliot and Wallace Stevens as poets of process.

First semester

Alan Weinblatt

En 153—Studies in Romantic Theory
(3 credits)

The topic for the semester will be "The Romantic *Hamlet* and the

Modern Leef," a study of the philosophical and literary assumptions behind nineteenth century fascination with Shakespeare's play.

Second semester

Alan Weinblatt

En 154—Victorian Studies I
(3 credits)

A sampling of the literary variety, genres and major authors, of the Victorian age.

Second semester

Francis McDermott

En 163—Studies in Twentieth Century Fiction
(3 credits)

A study of some effective modern experiments in narrative techniques. Readings in Barnes, Ashbery, Nabokov, Borges, Beckett, Robbe-Grillet, Cortazar, Barth, Barthleme and Coover.

Second semester

Andrew von Hendy

En 166—Modern Drama I
(3 credits)

Selected representative plays of Ibsen, Strindberg, O'Neill, Shaw, Miller and Williams.

First semester

Clara Siggins

En 167—Modern Drama II
(3 credits)

A study in depth of Theatre of the Absurd, through a close reading of plays of Beckett, Albee, Genet, Ionesco, Pinter and Wedekind.

Second semester

Clara Siggins

En 168—The Irish Renaissance I
(3 credits)

A course designed to consider the relationship between Irish literature and Irish nationalism primarily during the nineteenth century.

First semester

Adele Dalsimer

En 175—Modern Poetry I
(3 credits)

A study of the English and American poets who established the "modernist" movement; Eliot, Pound, Frost, Williams, Stevens, etc.

First semester

Clara Siggins

En 176—Modern Poetry II
(3 credits)

Critical analysis of poems of Empson, Lowell, Kunitz, Ignatoro, Sexton and other contemporaries.

Second semester

Clara Siggins

En 177—Studies in the Novel I
(3 credits)

A study of the English novelist's vision of life from the eighteenth century to Joseph Conrad at the end of the nineteenth. Works of DeFoe, Fielding, Austen, Thackeray, Dickens, Eliot, Conrad.

First semester

John Sullivan

En 178—Studies in the Novel II
(3 credits)

A study of the English novelist's vision of life in the twentieth century, in works of Conrad, Ford, Joyce, Waugh, Forster, Caryl Chesson.
Second semester

John Sullivan

En 180—Film and Fiction
(3 credits)

Through comparison and contrast of film and books using the same narrative the course tries to suggest some of the properties of film and fiction. Content includes, *The Informer*, *The Grapes of Wrath*, *Jules and Jim*, *The Overcoat*, *All the King's Men*, *The Diary of a Country Priest*, and *Last Year at Marienbad*.

First semester

Paul Doherty

En 182.01—Major American Writers I
(3 credits)

Four major writers of "The American Renaissance," Hawthorne, Melville, Thoreau and Whitman.

First semester

Cecil Tate

En 183.01—Major American Writers II
(3 credits)

Four major "modern" writers; James, Eliot, Hemingway and Faulkner.
Second semester

Cecil Tate

En 182.02—Major American Writers I
(3 credits)

See description for 182.01.

First semester

Cecil Tate

En 183.02—Major American Writers II
(3 credits)

See the description for 183.01.

Second semester

Cecil Tate

En 182.03—Major American Writers
(3 credits)

The Mosaic myth and the pursuit of the American Dream as chronicled by advocates and adversaries. Authors studied will include Hawthorne, Twain, Thoreau, Fitzgerald, Dreiser, Capote, Steinbeck, and Hannibal.

First semester

John McAleer

En 183.03—Major American Writers II
(3 credits)

The Boot Strap Myth and the Grail Impulse. Alienation and the search for new affirmations in American life, studied in seminal works of Howells, James, Wharton, Hemingway, Salinger, Knowles, Skinner, Forster, Beston, and Kosinski.

Second semester

John McAleer

En 182.04—Major American Writers I
(3 credits)

A study of the American literary tradition as it developed in the 19th century. Readings in the major Transcendentalists (Emerson, Thoreau), poets

(Whitman, Dickinson), writers of romantic fiction (Poe, Hawthorne, Melville), realistic writers (Twain, James).

First semester

John Randall

En 183.04—Major American Writers II
(3 credits)

Readings in authors of the twentieth century.

Second semester

John Randall

En 182.05—Major American Writers I
(3 credits)

"The American Literary Renaissance." A study of the distinctive literary forms which develop out of the 19th century American experience. Preliminary discussion of Emerson, Thoreau, and Poe. Intensive discussion of selected major works by Melville and Hawthorne. Extensive discussion of the poetic careers of Whitman and Dickinson.

First semester

Dennis Taylor

En 183.05—Major American Writers II
(3 credits)

Imagination and Reality in 20th century American literature. Extensive discussion of works by Henry James and Wallace Stevens. Applications made to various modern American poets: Eliot, Pound, Frost and more recent experimental poets.

Second semester

Dennis Taylor

En 183.06—Major American Writers II
(3 credits)

Imagination and Reality in 20th century American literature. Extensive discussion of works by Henry James and Wallace Stevens. Applications made to various modern American poets: Eliot, Pound, Frost and more recent experimental poets.

Second semester

Dennis Taylor

En 190.01—The Rediscovery of Myth
(3 credits)

A study of the renewed interest in myth, with particular emphasis on the theories of Carl Jung, and their applicability to literary analysis.

Second semester

Richard Hughes

En 190.02—The Rediscovery of Myth
(3 credits)

See the description for 190.01.

Second semester

Richard Hughes

En 194—Advanced Rhetoric
(3 credits)

A number of attitudes toward rhetoric studied in their own historical contexts, and provides opportunities to emulate and criticize these different rhetorics. Subject covered will include classical rhetoric, Renaissance rhetoric, rhetoric and empiricism, Rhetoric and psychology, the "New Rhetoric" and Rhetoric and Phenomenology. Each student will write six papers, and these papers will provide the central focus of the course.

Second semester

Paul Doherty

En 204—Writing Poetry
(3 credits)

A workshop in the composition of poems.

Second semester

Mark Gibbons

En 205—Readings in the Eighteenth Century Novel
(3 credits)

The early novel will be read primarily with the purpose of answering some questions about the readers demands that its subject and format be satisfied. The novels required will be: *Moll Flanders*, *Clarissa*, *Fanny Hill*, *Rasellas*, *Jonathan Wild*, *Gulliver's Travels*, *Northanger Abbey*.

Second semester

Mark Gibbons

En 206—Restoration & Eighteenth Century Drama
(3 credits)

The major dramatists of the period—Davenant, Dryden, Etheredge, Wycherly, Congreve, Goldsmith, Sheridan, and Fielding—with emphasis on the types of drama in which the period excelled. *All for Love*, *The Way of the World*, *School for Scandal*, *The Rivals*, *The Beggar's Opera* are among plays to be discussed.

First semester

Julie Price

En 207—Eighteenth Century Satire
(3 credits)

Studies in major satirists of the late 17th and early 18th centuries; Dryden, Swift, Pope, etc.

Second semester

Julie Price

En 208—Department Analogy Program
(15 credits)

The *Analogy* program allows students and instructors to work intensively in small groups (6-8 students) on problems and topics in English studies which they themselves have proposed. At the beginning of the semester each student in the program will list the topics he wants to explore. On the basis of these lists each instructor will propose three courses which he wants to teach. Each student will sign up for two of these. Each group of instructor and students will plan its own schedule of meetings, material to be covered, and method of evaluation. The courses will end at mid-semester, and groups will reform around new topics, each student again taking two courses. The student receives 15 credits for a full semester's work in the program, and may take no courses outside the program. Admission is by application to the English Department office during the previous semester. Limited to 60 students.

First semester

J. A. Appleyard, S.J., Mark Gibbons, Richard Hughes,
John McCarthy, John Sullivan, Dennis Taylor

En 209—American Fiction Since 1850
(3 credits)

Readings in Salinger, Updike, Bellow, Barth, Vonnegut, Pynchon, Brautigan and Barthelme.

First semester

Leonard Casper

En 210—American Drama Since 1950
(3 credits)

The course will examine disparate plays on each of several current socio-spiritual problems. Readings in Gelber, Kopit, Schisgal, Vonnegut, Elder, Baldwin, Jones, Hawkes, Berrigan, Lowell, Garson.

Second semester

Leonard Casper

En 211—The Matter of the Red Man
(3 credits)

The American Indian, most malleable of literary properties, studied as he runs the gauntlet of caucasian caprice from the days of the captivity narratives through the works of Morton, Freneau, Irving, Cooper, Crockett, Bird, Simms, Parkman, Jackson, Twain, Beston, Edmonds, Guthrie, and Richter.

First semester John McAleer

En 212—Realism & Naturalism in American Literature
(3 credits)

The quest for truth and self-awareness traced in the fiction of Crane, James, Dreiser, Wharton, Anderson, Hemingway, Fitzgerald, Steinbeck, Wright, Salinger, Knowles, and Kosinski.

Second semester John McAleer

En 213—Romanticism in the Later Nineteenth Century
(3 credits)

The core of the readings will be in the prose writings of Carlyle, Ruskin, and Arnold, and in the poetry of Tennyson and Arnold.

Second semester John McCarthy

En 214—Modern American Fiction
(3 credits)

A study of the Jazz Age, the Great Depression and the post-world-war II period in an attempt to show how the life-styles of each era found embodiment in artistic form. Readings in Fitzgerald, O'Neill, Hemingway, Faulkner, Dos Passos, Steinbeck, Wright, Ellison, Heller, etc.

First semester John Randall

En 215—The Literature of Utopia
(3 credits)

Selected literature of the American Thirties. A study of attitudes toward society and politics found in representative American writers of the Thirties, and an attempt to study the question of whether social relevance and aesthetic worth in literature are necessarily incompatible. Readings in John Dos Passos, John Steinbeck, Richard Wright, Clifford Odets, and others.

Second semester John Randall

En 216—Theory of Literature
(3 credits)

An attempt to increase reflection about how and why one enjoys literature by asking three questions: what is it? how does it work? and what is its value?

First semester Andrew Von Hendy

En 217—(Classic 217) The Ancient Epic
(3 credits)

A reading in translation of Homer's *Iliad* and *Odyssey* and Vergil's *Aeneid*. Lecture and discussions.

Second semester Eugene Bushala

En 218—Studies in Pastoral
(3 credits)

An exploration of how a vision of living in nature can express special possibilities of being human. Selections from The Bible, Renaissance lyric poems,

King Lear and *The Winter's Tale*, poems by Wordsworth and Frost, Faulkner's *The Bear*.

Second semester

Donald Gertmenian

En 219—The Variety of Literature: The Genres
(3 credits)

An examination of the distinctions among the wide variety of genres in prose and verse.

First semester

Francis McDermott

En 220—The Irish Renaissance II
(3 credits)

The major Irish writers of the Twentieth century considered in relation to their social and political environments.

Second semester

Adele Dalsimer

En 221—Contemporary American Poetry
(3 credits)

The course will work through close attention to the individual poems and the poetic development of a number of contemporary American Poets. Initial emphasis will be placed on the work of Robert Lowell and Alan Ginsberg. From there we will examine in rigorous but less voluminous detail the works of poets including: A. R. Ammons, Richard Howard, James Dickey, James Merrill, John Berryman, Robert Creeley, Gregory Corso, Elizabeth Bishop, Sylvia Plath, Anne Sexton, Richard Wilbur, Randall Jarrell and others.

First semester

Mark Gibbons

En 222—Classical Perspectives in Continental and English Literature
(3 credits)

An examination of the impact of classical literature on modern literatures during the Renaissance, and since.

First semester

Thomas Hughes

En 223—(Classics 202) Greek Drama in Translation
(3, 3 credits)

A reading of Greek dramatic authors in English translation with study of literary, historical, mythological and philosophical questions relevant to them.

Both semesters

Carl Thayer, S.J.

En 225.01—Creative Writing: Fiction
(3 credits)

The course will provide opportunities for students to write short fiction and to receive critical comment from the class as work is in progress as well as when it is finished. The instructor will work as a member of the class.

Second semester

John Sullivan

En 225.02—Creative Writing: Fiction
(3 credits)

See the description above for 225.01.

Second semester

John Sullivan

ELECTIVE COURSES OPEN TO BOTH GRADUATES AND UNDERGRADUATES

En 305—The Arthurian Legend
(3 credits)

Traces the legend through the mythology, pseudo-history, and romance of medieval English and Continental literatures.

First semester

Charles Regan

En 308—Chaucer II: Canterbury Tales
(3 credits)

Fairly detailed reading of the text of the *Canterbury Tales*, and assigned reading in Chaucer's *Troilus* and *Criseyde*, in Chaucer criticism and in the late medieval English background.

First semester

Edward Hirsh

En 309—Contemporaries of Chaucer
(3 credits)

A study in depth of the three major contemporaries of Chaucer, the *Gawain*-poet, Langland and Gower.

First semester

Charles Regan

En 310—Early Medieval Literature
(3 credits)

Readings (in modern translations) of formative works of the so-called Dark Ages: Augustine, Boethius, *Beowulf*, Bede, *The Song of Roland*, Icelandic sagas, Old Irish and Old Germanic legends and heroic narratives.

First semester

Robert Reiter

En 311—Early Middle English
(3 credits)

The reading of documents of the Post-Conquest period, up to about 1350.

Second semester

Charles Regan

En 312—The Fifteenth Century
(3 credits)

Literature from the death of Chaucer to the "death" of the Middle Ages. Readings in Lydgate, Hoccleve, James I, Hawes, Henryson, Dunbar, Douglas, Malory, etc.

Second semester

Charles Regan

En 390—Undergraduate Independent Study: Readings and Research

Both semesters

The Department

SEMINARS OPEN TO BOTH GRADUATES AND UNDERGRADUATES

En 326—Dramatic Tragedy
(3 credits)

An exploration of three periods in the history of the genre called tragedy; fifth century B.C. Athens, Elizabethan England and modern America. Special attention will be given to the works of Aeschylus, Sophocles and Euripides, to Marlow and Shakespeare and to Miller.

First semester

John Mahoney

En 327—Problems in Literary Criticism
(3 credits)

A survey of a limited number of critical problems for which in recent years solutions have been suggested which seem to be proving satisfactory. Some of the areas (problems) that will be investigated are: Establishing a text (*Hamlet*), oral vs. written literature (*Hamlet*), meter, the concept of the narrator (H. James's "Prefaces" literary origins (medieval drama). The common questions that will be asked in the course will be heuristic ones: What led to the realization that this was a legitimate critical problem. What assumptions led to initial attempts to

solve it? Why do these first solutions now seem incorrect? What evidence or insight or metaphor led to the present solution? Why do we now think that the solution is adequate?

First semester

Paul Doherty

En 328—Renaissance Prose & Poetry
(3 credits)

The course will present a detailed analysis of selected texts as representative of the Renaissance achievement in various forms. Among the texts to be studied will be Shakespeare's *Sonnets*, Spenser's *Faerie Queene*, Lyly's *Euphues*, and Bacon's *Essays*. Other texts by Sidney, Marlowe, Marston, Hall, Nashe, Jonson and Donne will be included in an attempt to provide a wider context for the appreciation of varied conventions as used in the sonnet, the epic, satire and novel.

Second semester

P. Albert Duhamel

En 329—Hardy and the Literary Tradition
(3 credits)

An attempt to place Hardy in the modern tradition of the novel, poem and poetic drama, through readings of his major works and comparison of them with the works of nineteenth century novelists and poets.

Second semester

Dennis Taylor

En 330—Browning and Hopkins
(3 credits)

A study of the principal works of the two Victorian poets who directly influenced the course of twentieth-century poetry, with the aim of assessing both their originality and their continuity with the romantic tradition. Close reading of the major dramatic monologues plus several of the longer works of Browning, e.g., *Sordello*, *The Ring and the Book*, the *Parleyings*; the mature poems and selections from the letters and journals of Hopkins.

Second semester

John McCarthy

En 331—The James Family
(3 credits)

A close examination of some of the most important writings of the Jameses, with the aim of establishing a center for an exploration of American consciousness and culture. The texts for the course are Henry James, Jr.'s *Portrait of a Lady*, *Wings of the Dove*, *The Golden Bowl*, and *The Ambassadors*; William James' *Essays in Pragmatism*.

Second semester

Cecil Tate

Faculty

Department of English

Professors:	Leonard R. Casper, P. Albert Duhamel, Anne D. Ferry, Edward L. Hirsh, Richard E. Hughes, John L. Mahoney, John J. McAleer.
Associate Professors:	Joseph A. Appleyard, S.J., Paul C. Doherty (Assistant Chairman), John J. Fitzgerald, Joseph A. Longo, John W. Loofbourow, John F. McCarthy, John H. Randall, Charles L. Regan, Robert E. Reiter, Clara M. Siggins, Andrew J. Von Hendy (Chairman), William Youngren.

- Assistant Professors:* Raymond G. Biggar*, Adele Dalsimer, Albert M. Folkard, Donald Gertmenian, Thomas P. Hughes, Arthur A. MacGillivray, S.J., Joseph M. McCafferty, Daniel L. McCue, Francis J. McDermott, John J. Sullivan, Francis W. Sweeney, S.J., Cecil Tate.
- Instructors:* Mark Gibbons, Robin Lydenberg, John P. Strommer, Alan Weinblatt.
- Lecturers:* Elizabeth Green, Katherine Huffhines, Barry Jordan, Nancy Sawaya, Joseph Stone.
- Teaching Fellows:* Jane Beins, Ilona Bell, Kate Bluestein, Ruth Bodenheimer, Anne Doyle, M. J. Echols, William Florman, Michael Jones, Richard Lordt, Mary Mahoney, Sharon McWey, Grace Norton, Judith Steininger, Michael Twomey, Ruth Weinstock.

* Sabbatical Leave, 1972-1973.

Film Study Program (Fm)

Fm 10—Vision and Documentary (0 credit)

A basic course in seeing, using photography and film making. Vision is the subject of the course; from the vision of selective seeing to the vision of what might be. Readings, films, visiting lecturers and student work will contribute to the synergy of the vision. Polaroid and Super 8 equipment is provided.

Enrollment by consent of Instructor.

Cooperation may be arranged with Father Joseph Flanagan for Philosophy credit for this course.

Both semesters

August Jaccaci

Fm 101—Basic Film-Making (3 credits)

A study of camera, editing, acting, directing, and story-adaptation techniques applied to the making of dramatic films. Format will be exercises (with Super 8mm equipment), film screenings, and discussions. A film series is part of the course.

Enrollment by consent of Instructor.

Both semesters

August Jaccaci
Lee Schiel

Fm 111-112—Advanced Film-Making (3, 3 credits)

An extension of the basic course with a similar format (using 16mm sound equipment) and more work on problems of narrative and characterization. A film series is part of the course.

Enrollment by consent of Instructor.

August Jaccaci
Lee Schiel

Fm 105—Mixed Media Workshop (0 credit)

A workshop in seeing and hearing. The course deals with an examination, understanding, and communicating of contemporary values. A wide variety of media and techniques are used, including film and television production, to

present values. Visiting lecturers, readings, films, and discussions will assist the value probe and subsequent production.

Enrollment by consent of the Instructor.

Upper level credit in theology is available for this course by arrangement with Father Thomas O'Malley.

Both semesters

August Jaccaci

Fm 131-132—History of the American Movie

(3, 3 credits)

The course concentrates on major phenomena in the history of American movies. It centers about the popular feature movie and its attendants, the star system and the genre movie.

Herbert Ostrach

Fm 151—The Western Since 1945

(3 credits)

The late 40's is the period of John Ford's classic Western, but it also witnesses the emergence of the adult Western. Like other traditional media the Western changed under the pressures generated in post-industrial America. The nature of those changes will be the subject matter of the course. Major themes in 20th-Century culture, the psychology of the movies, and the nature of the hero will also be discussed in response to the ten feature films screened during the course.

First semester

Herbert Ostrach

Fm 152—Film Comedy Since 1930

(3 credits)

In its rich variety the comedy is one of the glories of American movies. With a range from the nihilistic Marx Brothers to the antics of Howard Hawks and the sophistication of Hitchcock, the film comedy has fulfilled the classic comic purposes of telling the truth without offense. Discussion will focus on ten feature films screened during the course.

Second semester

Herbert Ostrach

Faculty

Film Study Program

Program Director: August Jaccaci.

Lecturers August Jaccaci, Herbert Ostrach, Lee Schiel.

Department of Fine Arts (Fa)

Fa 031—Art Workshop I

This course will provide both an academic and creative approach to drawing and painting, with elementary and advanced theory of design. The first semester will concentrate on drawing and the theory of design, composition and organization. The second semester will be devoted to the use of various media: oil, painting, watercolor, pastel, conte crayon, and introduction to modeling in clay. (Retroactive credit for Art W I will be granted upon completion of Art W II. This course does not carry credit applicable to the requirements for a degree.)

Two 75-minute periods per week for two semesters. Students completing this course will be allowed to apply for Art Workshop II.

Both semesters

Allison Macomber

Fa 032—Art Workshop II
(3 credits)

Extension of Drawing and Painting I, with more advanced projects in drawing, painting, and modeling. Introduction to other media: etching, plaster and bronze casting, firing of terra cotta, and some ceramics.

Both semesters

Allison Macomber

Fa 033—Art Workshop III
(3 credits)

Those students who have completed Art Workshop II may apply for Art Workshop III, with advanced projects involving the media in which they have specialized.

Both semesters

Allison Macomber

Fa 034—Art Workshop IV
(3 credits)

Extension of Art Workshop III, with more advanced projects involving the media in which the students have specialized. Students are integrated with the group in Art Workshop III, and also have the opportunity to practise-teach in Art Workshop I and II. Art Workshop is prerequired (except in special cases where the prerequisites have been adequately met).

Both semesters

Allison Macomber

Fa 041—Visual Workshop I
(3 credits)

This is a cooperative and active investigation into the rich and diverse domain of visual experience. Many media and approaches are explored, models used, and imagination encouraged.

First semester

Cecil Wylde

Fa 042—Visual Workshop II
(3 credits)

This is a continuation of FA 041 but may be elected independently subject to approval of the instructor.

Second semester

Cecil Wylde

Fa 050—Art, Myth, and Reality
(3 credits)

Art does not exist in a vacuum, but it is rather a mirror of society's most intimate concerns. It determines and is determined by culture's unique perception of reality. This course will focus on the interplay between Art, Philosophy, Religion, Society, Technology, and Politics in ten or eleven particular instances. Although primary emphasis will fall on the visual arts, the performing arts will be explored in relevant cases. Cultures: Prehistoric and Primitive Cultures, Dynastic Egypt, Classical Greece, Renaissance, Italy, Kamkura Japan, Contemporary America.

First Semester

Annika Barbarigos

Fa 051—Art, Myth, and Reality: The Image of the Invisible
(3 credits)

This course will follow the same approach as FA 050, but it will focus on the tension between transcendental religion or ideology and image making. Cultures examined: Ancient Middle East, Islam, Byzantium, Western Medieval Christianity, Early Twentieth Century.

Second semester

Annika Barbarigos

Fa 062—Critical Approaches to the Understanding of Art
(3 credits)

This course will begin with a consideration of the significant schools of criticism: the Formal, Social, and Psychological, and their application to individual works of art. Other course topics include the various functions of art (art as magic, art as structure, etc.) and the relationships between art and philosophy. Both semesters

John H. Baker

Fa 071—Visual Analysis I
(3 credits)

A course in the art of appreciation. The emphasis is on the skills needed in reading drawing and painting. The students will be asked to participate in visual exercises designed to increase their critical abilities.

First semester

Jean Lozinski

Fa 072—Visual Analysis II
(3 credits)

A course in the art of appreciation. The emphasis is on the skills needed in reading sculpture and architecture. The students will be asked to participate in visual exercises designed to increase their critical abilities.

Second semester

Jean Lozinski

Fa 060—History of Ancient, Medieval and Renaissance Art
(3 credits)

After a brief survey of Egyptian, Mesopotamian and Aegean art, the classic periods of Greece and Rome will be studied, followed by an analysis of medieval art from its origins in the early Christian era to the Gothic period, and of the Renaissance from its beginning in the fifteenth century to the early sixteenth century.

First semester

Donald Deveau

Fa 061—The Arts Since the Renaissance
(3 credits)

A study of the High Renaissance and Mannerism in sixteenth century Italy; the spreading of the Italian Renaissance tradition throughout Europe in the seventeenth and eighteenth centuries, leading to a brief survey of the artistic trends of the nineteenth and twentieth centuries.

Second semester

Donald Deveau

Fa 170—The Art of the Ancient World; Crete and Greece
(3 credits)

From the time of the Labyrinth-Palace of Crete to the construction of the Acropolis in Athens, the basic principles of Western Art were defined establishing the aesthetic traditions on which our visual experience is based.

The purpose of this course is to trace this development and to discuss the nature of "Beauty" as understood by Western man.

First semester

Jean Lozinski

Fa 171—The Art of the Ancient World: Rome
(3 credits)

The Art of Rome will be studied in its social and economic context with reference to similar developments in the contemporary world.

The course will cover the period from Rome's mythological beginning to the rule of Constantine the Great and the rise of Christianity.

Second semester

Jean Lozinski

Fa 175—Medieval French Courts
(3 credits)

From the court of Love of Alienor of Aquitaine and the castles of Richard the Lion-Hearted in the twelfth century through the elegant courts of St. Louis in Paris, the Duc de Berry in Burgundy and the luxurious chateaux of the Loire in the fifteenth century the artists, sculptors and architects fashioned a sumptuous milieu for the nobles. The course will examine the art of each of these courts as representative of their period.

Second semester

Jean Lozinski

Fa 184—The Age of Leonardo, Michelangelo and Raphael
(3 credits)

The "High Renaissance" lasted only a short while, but it produced artists of such unqualified excellence that the age became known through history as one of the high points of civilization. The lives and works of these men will be examined in detail, with the social-historical conditions that made their development possible.

First semester

Donald Deveau

Fa 185—The Age of Rembrandt
(3 credits)

The art of Holland in the seventeenth century as exemplified by the work of Rembrandt is filled with a radiance that transforms the every day subject matter. The paintings and graphics of this baroque master as well as his long and eventful life will be discussed in their relationship to the lives and works of his contemporaries during Holland's great age of commercial expansion.

Second semester

Donald Deveau

Fa 160—XIX Century Art
(3 credits)

A study of the evolution of style and content in art from 1770 to 1890. Emphasis will be given to French painting, but major figures in Germany and America will also be considered.

First semester

John H. Baker

Fa 161—Painting and Sculpture in the XX Century
(3 credits)

A study of the major radical styles in art from 1900 to the present. Special emphasis will be given to Fauvism, Cubism, Surrealism, and Abstract Expressionism.

Second semester

John H. Baker

Fa 174—Architecture of the XX Century
(3 credits)

The twentieth century has produced works of lasting magnificence based on a new technology and aesthetic. This course will show how artists such as Frank Lloyd Wright, Mies van der Rohe, Le Corbusier, Nervi and Saarinen employed these revolutionary concepts to create modern architectural masterpieces.

First semester

Jean Lozinski

Fa 182—Art in America
(3 credits)

A study of the evolution of the Arts in America from the Colonial period to the present.

Second semester

John H. Baker

Fa 163—Art Since 1945
(3 credits)

A study of the history of painting and sculpture from 1945 to the present. Emphasis will be placed on the origins and development of Abstract Expressionism, Pop Art, and Color Field Painting. Some attention will also be paid to the persistence of the Surrealist tradition.

First semester

John H. Baker

Faculty

Department of Fine Arts

<i>Artist-in-Residence:</i>	Allison Macomber
<i>Associate Professor:</i>	Josephine von Henneberg (<i>Chairman</i>)*
<i>Assistant Professor:</i>	John H. Baker Jean Lozinski (<i>Acting Chairman</i>)
<i>Lecturer:</i>	Annika Barbarigos Donald Deveau Cecil Wylde

* Sabbatical Leave, 1972-1973.

Department of Geology and Geophysics (Ge)

An asterisk after a course title indicates that the course carries a laboratory fee.

Ge 110—Introduction to Physical Geology*
(4 credits)

An introduction to the operating concepts and processes of our only home and its environment, planet Earth. Simulated field trips will be used in an Audio-Tutorial format to enable the student to experience the physical aspects of geology, and guide much of his or her own development in the subject.

Two one-hour lectures, one one-hour seminar, and one two-hour simulated field trip per week for one semester. Intended for fulfillment of the science core requirement.

First semester

Staff

Ge 120—Introduction to Historical Geology*
(4 credits)

A sequel to Ge 110, this course seeks to develop the geologic history of planet Earth, especially the United States and North America, and the biota which have evolved upon its surfaces. The Audio-Tutorial format of simulated field trips will be used to visit representative or select areas throughout the United States.

Two one-hour lectures, one one-hour seminar, and one two-hour simulated field trip per week for one semester. Intended for fulfillment of the science core requirement.

Second semester

Staff

Ge 130—Physical Geology*
(4 credits)

An accelerated introduction to the important geologic processes believed to operate on land, in the Earth, in the seas, and on the Moon. Outside readings required.

Two 75-minute lectures and one two-hour laboratory-conference period per week for one semester; field trips. Intended for Geology-Geophysics majors and Honors Students.

First semester

Robert E. Riecker

Ge 140—Historical Geology*
(4 credits)

An intensive study of the development of the solar system, universe, and the Earth, including special reference data bearing upon the origin and evolution of life. Outside readings required.

Two 75-minute lectures and one two-hour laboratory-conference period per week for one semester; field trips. Intended for Geology-Geophysics majors and Honors Students.

Second semester

Robert E. Riecker

Ge 150—Introduction to Astronomy*
(4 credits)

The study of the solar system with the sun, planets, satellites, comets, and meteors; information about the composition and motion of the stars is obtained from their lights; the identification of stars and constellations; galaxies and the structure of the universe.

Three hours of lecture and one two-hour laboratory-conference period per week for one semester. Intended for fulfillment of the science core requirement.

First semester

Edward M. Brooks

Ge 160—Introduction to Oceanography*
(4 credits)

Description and examination of the characteristics of ocean water and ice, waves, tides, ocean currents, and the transportation of matter and heat in the sea.

Three 50-minute lectures and one 2-hour laboratory-seminar each week. Intended for fulfillment of the science core requirement.

Second semester

Edward M. Brooks

Ge 170—Introduction to Meteorology*
(4 credits)

Description and examination of the properties and characteristics of the Earth's atmosphere. Meteorological instruments, analysis of relationships involving temperature, moisture, wind systems and fronts, and weather modification.

Three 50-minute lectures and one 2-hour laboratory-seminar each week. Intended for fulfillment of the science core requirement.

Second semester

Edward M. Brooks

Ge 180—Environmental Science and Water Pollution
(3 credits)

The technology of water use and misuse are treated. Special emphasis is placed on environmental aspects. Economic and political factors are also discussed. Topics include climatology, hydrology, water resources, water pollution and pollution abatement.

First semester

Jerome B. Carr

Ge 181—Air and Land Pollution
(3 credits)

The technological aspects of air pollution and land use are treated. Special emphasis is placed on the environment. Economics and political factors are also discussed. Topics include climatology, air pollution, and use, solid waste disposal, noise pollution and radioactive pollution.

Second semester

Jerome B. Carr

Ge 185—Introduction to Geophysics
(3 credits)

Prerequisites: Ge 130; Mt 100-101.

A course describing the methods and salient results of geophysical research.

Three hours of lecture per week for one semester. Intended for majors in Geology-Geophysics, but available to other science and non-science majors.

First semester

John F. Devane, S.J.

Ge 200—Mineralogy*
(4 credits)

Introduction to crystallography, structure and crystal chemistry of selected important minerals and the rock-forming silicates.

Three hours of lecture and one two-hour laboratory period per week for one semester.

First semester

Ge 210—Optical Mineralogy*
(4 credits)

Prerequisite: Ge 200.

Principles of optical crystallography and their application in the identification of silicates with the polarizing microscope.

Two one-hour lectures and two two-hour laboratory periods per week for one semester.

Second semester

Priscilla P. Dudley

Ge 225—Field Geology*
(4 credits)

Prerequisite: Ge 130, 140 or equivalent.

Skill in the systematic study of bedrock exposures is the primary objective of this course. Field and laboratory problems are designed to give the student a variety of experiences in field identification and investigation of rocks and rock bodies, bedrock mapping and air photo interpretation. Several Saturdays during the first half of the term will be spent in field problems.

David C. Roy

Ge 230—Stratigraphy and Sedimentation*
(4 credits)

The sedimentary rock strata of the crust of the Earth will be studied in a systematic manner to develop principles of sedimentation and formation into rock layers. Sources of materials, methods and manner of transport, and depositional conditions will be discussed for the unconsolidated phase of these rocks. Concepts of time, time-rock, and rock classifications will be examined to place these rocks layers into a framework whereby lithostratigraphic and biostratigraphic correlations can be made. Wherever possible, actual examples will be used to provide case histories.

Two 75-minute lectures and one 2-hour laboratory each week. Field trip and report.

Offered biennially, 1973-1974

George D. Brown, Jr.

Ge 250, 252—Earth Science I & II
(3, 3 credits)

An activity-based, individualized, self-paced course dealing with the basic concepts of the earth sciences. Special emphasis will be on physical and historical geology.

Three hours of lecture-laboratory each week for two semesters; Wednesday evenings; specifically directed toward the undergraduate nonmajor or prospective teacher. Limited to 30 students.

George T. Ladd

Ge 285—The Geology of Ecology
(3 credits)

Prerequisite: Ge 130, or equivalent.

A seminar to discuss a variety of environmental problems from the geologic point of view. Several case histories will be examined, with particular emphasis on the Colorado Plateau.

Offered biennially, 1973-1974

Priscilla P. Dudley

Ge 305—Structural Geology*
(4 credits)

The features of deformed rock (e.g., folds, faults, dikes and sills) will be described. Their origin and development will be analyzed in terms of field data, laboratory data, and the principles of rock mechanics, utilizing the Mohr circle analysis of stress. The laboratory portion of the course will include problems involving the solution of fold and fault problems by graphical methods of descriptive geometry. Text: Billings, M. P. (1972), *Structural Geology*: 3rd Edition, Prentice-Hall, Inc.

Two 75-minute lectures and one 2-hour laboratory each week.

Second semester

Emanuel G. Bombolakis

Ge 310—Petrography*
(3 credits)

Prerequisite: Ge 200 or equivalent.

Training in the identification and classification of igneous, metamorphic and sedimentary rocks in hand specimen and thin section.

First semester

Priscilla P. Dudley

David C. Roy

Ge 330—Principles of Paleontology*
(3 credits)

An introduction to the study of animal life of the past. Consideration is given to the concept of species, especially the problems of taxonomy of individuals and of populations. Living representatives of the various phyla are compared with fossil forms to offer evidence regarding mode of life, evolutionary development, and ecological environment.

Second semester

George D. Brown, Jr.

Ge 340—Seminar in Regional Geology
(2 credits)

Prerequisite: consent of Professor.

A seminar course studying the regional geology of a specific area of North America. Up to twelve students will be selected from the seminar enroll-

ment to participate in a two-week field trip to the study area (for which additional credit will be granted). An oral and written report is required in this seminar course.

Second semester

Priscilla P. Dudley

Robert E. Riecker

George D. Brown

Ge 350—Regional Geology of North America

(3 credits)

Prerequisites: Ge 130, 140, or equivalent.

A systematic investigation of the physiography, stratigraphy, structural geology, petrology, and general distribution of major core deposits in the major geological provinces of North America. Readings, oral and written reports and participation in 2 weekend field trips is expected.

First semester

James W. Skehan, S.J.

Ge 360—World Climate & Life

(3 credits)

This course is offered to students concerned with the environment. Climate, which controls our natural environment, is described and explained. The effects of climate on vegetation, agriculture, water resources, transportation, communication, housing, health, and air pollution will be considered. Outside readings required.

First semester

Edward M. Brooks

Ge 375—Lunar Geology

(3 credits)

Prerequisites: Physical and Historical Geology, or equivalents.

The course will explore the techniques and instrumentation used in lunar "geological and geophysical" exploration, and the types of data obtained by these methods. Results from the Apollo program will be used to develop a model for the evolution of the Moon. Future data needs will be projected from this model. A brief look into the scientific objectives and methods for exploration of the planets will be the potential use of space for scientific goals.

Second semester

J. Christopher Hepburn

Ge 390—Physics of the Solid Earth

(3 credits)

An introduction to the methods of observation and interpretation of geophysical phenomena. Topics include age determination, heat flow, gravity, electric and magnetic fields, seismology, geodesy, and interior of the earth. Some of the recent results of research in these subjects will be discussed.

First semester

John Devane, S.J.

Ge 440—Theoretical Structural Geology

(3 credits)

Prerequisites: Consent of Professor.

The brittle and ductile behavior of rocks will be analyzed during treatment of the following: analysis of stress and strain, failure criteria, plasticity theory, pore pressure, and frictional coupling of rock masses. Geologic problems to be considered will include the analysis of dike and sill formation, gravitational sliding, faulting, the determination of current tectonic stresses at shallow depths in the earth, and the prediction of earthquakes.

Second semester

Emanuel G. Bombolakis

Ge 460—Marine Geology*
(3 credits)

Prerequisites: Ge 130, 140.

Recent geological, geophysical and geochemical information on the ocean basins is examined. Emphases are placed on modern sedimentation and deformation dynamics, and ocean basin history revealed by cored and dredged sediments and igneous rocks, together with seismologic, gravity, heatflow, and magnetic data. Students will explore current literature on a wide variety of topics and research in depth on a topic of their own choosing.

David C. Roy

Ge 510—Igneous and Metamorphic Petrology*
(3 credits)

Prerequisite: Ge 310 or equivalent.

Introduction to the principles of phase equilibria. Discussion of the origin and evolution of igneous and metamorphic rocks in the light of experimental and petrographic evidence.

Second semester

Priscilla P. Dudley

Ge 520—Sedimentary Petrology*
(3 credits)

Prerequisites: Ge 110, 310.

Sedimentary rocks are studied in hand specimen and in thin-section. Petrographic, x-ray, and other techniques will be used to analyze these rocks in both quantitative and qualitative manner.

First semester

David C. Roy

Ge 540—Sedimentary Geochemistry*
(3 credits)

Prerequisites: Ge 130; Ch 109-110; Mt 100-101.

This course provides an introduction to the fundamentals of low-temperature inorganic geochemistry as applied to the formation of sediments and sedimentary rocks. This distribution of elements in the natural environment will be discussed. Elementary thermodynamics and ph-Eh relations will be used to understand processes and mineral assemblages found in natural aqueous systems.

Second semester

David C. Roy

Ge 500—Micropaleontology*
(3 credits)

Prerequisite: Ge 330.

An introduction to the study of the very small but very important taxa of the plant and animal kingdoms. Groups studied will include the Foraminifera, Ostracoda, Conodonts, Bryozoa, and Diatoms.

Second semester

George D. Brown, Jr.

Ge 560—Physical Oceanography
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212.

A survey of physical oceanography. The basic laws of fluid mechanics are treated as a background for studies of oceanic processes. The problems of ocean currents are considered with particular emphasis on the Gulf Stream.

Second semester

Edward M. Brooks

Ge 565—Meteorology
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212.

The application of physical laws of thermal radiation, statistics, and dynamics to the atmosphere. Analysis and forecasting of weather in terms of general circulation on a hemispheric scale.

Second semester

Edward M. Brooks

Ge 580-581—Environmental Earth Science
(3, 3 credits)

This NSF-funded, In-Service Institute for secondary earth science teachers will consist of bi-monthly meetings from September through May during the 1972-73 academic year. The course is directed toward environmental topics with an emphasis on earth sciences. Each month a different topic will be considered, complete with discussion, exchange of educational materials and a field trip to an area relevant to the monthly topic. Participants are selected in accordance with NSF policies.

Both semesters

George T. Ladd

Ge 610—Physical Sedimentation*
(3 credits)

Prerequisites: Ge 130, Mt 100-101; Ph 211.

A study of the physical dynamics of erosion, transport, and deposition of particulate materials in fluid media. Experimental and empirical data on both channelized and nonchannelized flow systems will be examined. Special attention will be given to sedimentary structures and their hydrodynamic interpretations.

First semester

David C. Roy

Ge 640—Rock Mechanics*
(3 credits)

Prerequisites: Ge 440.

A continuation of the topics treated in Ge 400. The course will include a study of stress functions and their application to prediction of stress and strain gradients in large rock masses, with the purpose of predicting locales of deformation. Theoretical analysis will be coordinated with photoelastic and rock model studies.

First semester

Emanuel G. Bombolakis

Ge 650—Regional Stratigraphy of New England
(3 credits)

Prerequisites: consent of Professor.

Introduction to some of the major problems of the development of the basin of deposition in the New England Area. Special emphasis will be given to an analysis of changes in sedimentation and volcanic activity in 3 dimensions through time, for purpose of developing correlations and conclusion with regard to the environmental of deposition.

First semester

James W. Skehan, S.J.

Ge 655—Structural Geology and Petrology of New England
(3 credits)

Prerequisites: Ge 230, 310.

The structural metamorphic and plutonic development of the deformed mountain belt of New England will be studied. Special attention will be given to nappe structures of Central New England, mantled gneiss domes, the regional

distribution of metamorphic zones and plutonic and magmatic series. Other structures such as large scale faults will also be considered.

Second semester

James W. Skehan, S.J.

Ge 660—Plate Tectonics
(3 credits)

Prerequisites: Ge 650.

Open to those who have taken Regional Stratigraphy of New England. This course will evaluate the theories of plate tectonics in the light of geological and geophysical data from various parts of North America.

First semester

James W. Skeehan, S.J.

Ge 670—Seismology
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212; Ge 130 or equivalents.

A study of the causes and effects of earthquakes, seismicity of the earth as related to global tectonics. Seismic instrumentation; seismic rays and seismic waves; magnitude and intensities; travel times; focal mechanisms. Ray theory and seismic velocity in the interior of the earth.

First semester

John F. Devane, S.J.

Ge 675—Exploration Geophysics
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212.

A practical course in applied Geophysical Exploration surveying for the geologist and engineer. Seismic, magnetic, gravity and electromagnetic geophysical methods; basic theory, instruments, surveying procedures, data reduction and processing, interpretation methods and applications of exploration geophysics; field surveys with various instruments.

Second semester

John Devane, S.J.

Ge 680—Gravity
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212.

A comprehensive course in the gravity method of Geophysical Exploration, land, sea, and air, at the senior and graduate level. Theory, methods of measuring gravity, instruments, surveying methods, data reduction and processing, interpretation of gravity anomalies and applications of the gravity method for geodesy and geophysics; field work with gravity meters.

Second semester

Ge 685—Geomagnetism
(3 credits)

Prerequisites: Mt 200-201; Ph 211-212.

Analysis of the Earth's magnetic field in space and time. Origin of the field; secular variation; magnetic storms; micropulsations; electrical conductivity of the earth; paleomagnetism and its relationship to theories of global tectonics.

Second semester

John F. Devane, S.J.

Faculty

Department of Geology & Geophysics (Ge)

Professors: Edward M. Brooks, James W. Skehan, S.J.

Professor Emeritu. : Daniel Linehan, S.J.

Associate Professors: Emanuel G. Bombolakis, George D. Brown, Jr. (*Chairman*), George T. Ladd.
Assistant Professors: John F. Devane, S.J., Priscilla P. Dudley, J. Christopher Hepburn, David C. Roy.
Lecturers: Jerome Carr, Thomas Geagan, Jerald Rice, Robert E. Riecker.

Associated Faculty at Boston University

Professors: Mohammed A. Gheith, Arthur H. Brownlow, Dabney W. Caldwell, Won C. Park, C. Wroe Wolfe.

Department of Germanic Studies (Gm)

Unless otherwise indicated, all courses are offered in German.

Gm 001-002—Elementary German (3, 3 credits)

The fundamentals of German grammar and vocabulary. Practice in listening comprehension and speaking in everyday situations. Exercises in reading and in elementary German composition.

Both semesters

Valda Melngailis and Staff

Gm 050-051—Intermediate German (3, 3 credits)

Prerequisite: Gm 001-002, or its equivalent.

Further training in active use of the language, with emphasis on reading and conversation. Readings in 20th century German prose, fiction and non-fiction. German culture and society. Grammar review. Discussion and composition.

Both semesters

Valda Melngailis and Staff

Gm 150-151—German Literature in Crisis (3, 3 credits)

Prerequisite: Gm 050-051, or its equivalent.

Reading and analysis of important works of modern German prose, poetry, and drama from 1880 to the post-World War II period. Discussion of the social and political background of the times. The impact of the two world wars. Authors to be studied include Hauptmann, Hofmannsthal, Wedekind, Thomas Mann, Rilke, Hesse, Benn, Brecht, Kafka, Borchert, Böll, and Dürrenmatt.

Both semesters

Gert Bruhn

Gm 201-202—German Composition and Conversation (3, 3 credits)

Prerequisite: Gm 050-051, or its equivalent.

This course is designed to promote a functional grasp of the structure of German, and to resolve individual problems of grammar and syntax. Written exercises on prepared topics, translations into idiomatic German, reports of current events, and summaries of reading selections will provide the basis for discussion.

A required course for German majors.

Both semesters

Christoph Eykman

Gm 210-211—Survey of German Literature (3, 3 credits)

Prerequisite: Gm 050-51 (with an honor grade), or its equivalent.

An introduction to the study of German literature. Masterpieces from the Middle Ages to the 20th century will be analyzed against the background of

historical events and European literary movements.

A required course for German majors.

Both semesters

Robert Cahill

Gm 230—German 19th Century Drama
(3 credits)

A close study and analysis of the diverse trends which characterized the 19th century course of the drama, as reflected in such dramatists as Büchner, Kleist, Grillparzer, and Hebbel.

First semester

Offered biennially, 1972-1973

Robert Cahill

Gm 235—Modern German Drama
(3 credits)

A critical evaluation of the drama of the 20th century from the period of Naturalism with Hauptmann, Expressionism with Georg Kaiser up to and including the epic theatre of Bertolt Brecht and Max Frisch.

Second semester

Offered biennially, 1972-1973

Robert Cahill

Gm 305—The German Cultural Heritage
(3 credits)

An introduction to the development of ideas and of the arts in German-speaking Europe from the Middle Ages to the Classical Age of German culture. Illustrated lectures and selected readings in German. Discussions in German and/or English.

First semester

Valda Melngailis

GERMAN LITERATURE COURSES OFFERED IN ENGLISH

Gm 263—War and Peace in Modern German Literature and Thought
(3 credits)

A thorough study and discussion of the themes of war, conflict, aggression and peace in the works of Immanuel Kant, Friedrich Nietzsche, Sigmund Freud, Albert Einstein, Georg Kaiser, Bertolt Brecht, Karl Jaspers, Ralf Dahrendorf, and Konrad Lorenz.

Conducted in English.

Second semester

Christoph Eykman

Gm 268—German Literature and Politics
(3 credits)

A critical study of the problem of politics and ideology in modern German literature from World War I to the present. Readings will include selected works by such authors as Heinrich Mann, Ernst Toller, Bertolt Brecht, Arthur Koestler, Rolf Hochhuth and Peter Weiss.

Conducted in English.

Second semester

Gert Bruhn

Gm 270—Nietzsche and Freud
(3 credits)

A careful study of the thought of two men who were most influential in shaping the modern mind. Selected works by Nietzsche will be discussed and compared with some of the shorter texts by Freud such as *An Outline of Psychoanalysis*, *Beyond the Pleasure Principle*, *Civilization and its Discontents*.

Conducted in English.

First semester

Christoph Eykman

Gm 277—Hermann Hesse and the Modern Mind
(3 credits)

A critical study of the major novels of Hesse with a view towards understanding the current popularity of his fiction among American students and its relevance to the contemporary scene in America. Readings will include *Beneath the Wheel*, *Demian*, *Steppenwolf*, *Siddharta*, *Narcissus and Goldmund*, and *The Glass Bead Game*.

Conducted in English.

First semester

Gert Bruhn

Faculty

Department of Germanic Studies

Professor: Heinz Bluhm (*Chairman*).
Associate Professor: Christoph W. Eykman (*Director of Graduate Studies*).
Assistant Professors: Gert E. Bruhn, Robert J. Cahill, Valda D. Melngailis (*Director of Undergraduate Studies*).
Teaching Fellows: Susan T. Dunnigan, Robert T. Mann, Keith D. Morehouse.
Graduate Assistants: Robert S. Czachor, Rosemary J. O'Connor.

Department of History (Hs)

The completion of two semesters of History is required of all undergraduates at Boston College as part of the "Core" curriculum. All course numbers Hs 011 through Hs 092 fulfill this requirement. Although the "Core" program in History has been organized around the general themes of "Europe Since 1500" and "Western Civilization," a variety of courses have been developed within this framework in order to make it possible for a student to choose the course that best suits his or her interests. A complete list of the History "Core" courses together with a description of each one may be obtained from the office of the Department of History.

Hs 181-182—American Civilization
(3, 3 credits)

A survey of the history of American Civilization from the period of colonization to the present. Required of all history majors.

Both semesters

The Department

Hs 104—The Crusades: A Clash of Civilizations
(3 credits)

The course will attempt to see the Crusades from "the other side," through the eyes of the Muslims and Byzantines who confronted the crusader advance. The origin and expansion of the crusading movement itself (from the Council of Clermont in 1095 to the fall of Acre in 1291) will not be neglected; this course will simply attempt to concentrate on how the enemy responded to the Crusades. A lesser emphasis will be placed on the archeological remains of the Crusades, namely the churches and castles of the crusaders.

Second semester

John H. Rosser
D. Edward Knox

Hs 111-112—History of Ireland
(3, 3 credits)

A survey of Irish civilization from the pre-Christian Gaelic period to the present.

Both semesters

Martin Harney, S.J.

Hs 117—Europe of the Dictators
(3 credits)

This course will examine the historical contexts from which Fascism in Italy, Nazism in Germany, and Bolshevism in Russia emerged. The personalities of Mussolini, Hitler and Stalin will be investigated, as well as the programs and policies of their respective regimes. Finally, an attempt will be made to evaluate the general characteristics and the political legacy of the authoritarian state.

First semester Rev. Francis Murphy

Hs 121-122—American Heritage
(3, 3 credits)

A survey of the major events in American History from the founding of the New World down to the Compromise of 1877. Designed essentially for non-history majors, this course will rely upon extensive readings in the periods under consideration.

Both semesters Thomas O'Connor
Roger Johnson

Hs 123-124—History of the Black American
(3, 3 credits)

A survey of the Black American from colonial times to the present as a "participant" and "issue" in American history. Race relations, the "white over black" theme will be included.

Both semesters

Hs 129—History of American Presidential Elections
(3 credits)

An examination of the candidates, the issues, the color, the drama, and the meaning of America's most important presidential elections.

First semester Roger Johnson

Hs 132—Contemporary Society and Science
(3 credits)

An examination of the role of science in contemporary society and of the political, social, and intellectual impact of recent scientific developments, with particular attention to questions of public policy, human values, and social priorities.

Second semester Edward Collins

Hs 147—Comparative Socialist Revolutions
(3 credits)

The course will concentrate on a detailed examination of the processes of four major socialist revolutions: Russia, China, Vietnam, Cuba. In addition to placing these revolutions in historical perspective, the course will also examine the changing nature of Marxist ideology, particularly Leninism and Maoism.

First semester Peter Weiler

Hs 151-152—East Asian Civilization
(3, 3 credits)

The first semester deals with the development and interaction of Chinese, Japanese and Korean cultures and societies until 1800. The second semester brings the survey up to 1949.

Both semesters Silas Wu

He 163-164—History of Rome
(3, 3 credits)

The first semester will survey the rise of Rome to World domination, with emphasis upon the workings of domestic power politics in the Republic. The second semester will trace the course of the Roman Empire from Augustus to Constantine with accent upon the Principate, the decline and fall of the Empire, and early Christianity in its historical setting.

Both semesters

David Gill, S.J.

Hs 165-166—Medieval European History
(3, 3 credits)

Europe from its emergence as an identifiable society in post-Roman times to the beginning of the age of Humanism and world exploration. Political, economic, religious, and cultural developments will be studied as inter-related aspects of the increasingly dynamic society which, after overcoming its setbacks in late medieval times, was to galvanize world history.

Both semesters

William Daly

Hs 169-170—The Byzantine Empire
(3, 3 credits)

A survey of Byzantine history, from the foundation of Constantinople in 324 to the city's conquest by the Ottoman Turks in 1453. Emphasis will be given to the Empire's relations with neighboring states and peoples, and to Byzantium's contribution to European civilization.

Both semesters

John H. Rosser

Hs 205—The History of Pre-Colonial Africa
(3 credits)

After a brief survey of African geography and ethnography, the course will examine the development of the "traditional" African social, political, cultural and economic institutions. Focusing on sub-Saharan and especially West Africa, the course will emphasize the great empires of the medieval Sudan, the slave trade, and the Muslim and commercial revolutions of the 19th century. The course will conclude with a brief examination of European exploration of Africa, in preparation for Hs 206.

First semester

Paul Roberts

Hs 206—The History of Modern Africa
(3 credits)

A study of the impact of colonial rule upon the "traditional" societies of Africa during the 19th and 20th centuries. Particular attention will be given to the transformation of African societies through the introduction of Western technology, political institutions and value-systems, emphasizing the adaptive capacities of traditional African institutions.

The course will examine the European conquest of Africa, the institution of colonial rule, the growth of nationalist and Pan-Africa movements, and will conclude with an evaluation of post-independence African development. Post-independence modernization policies and Africa socialist movements, such as those in Tanzania and Mali, will be studied in detail. Hs 205 is recommended, but not required.

Second semester

Paul Roberts

Hs 207-208—The Middle East in International Affairs

(3, 3 credits)

Study of the emergence of the modern Middle East (including the Arab States, Turkey, and Iran) and its importance to the rest of the world, emphasizing the long-standing struggle for supremacy of the area in the 19th and 20th centuries, from the classical Eastern Question to the current tension over control of the Mediterranean and the Persian Gulf.

Both semesters

D. Edward Knox

Hs 221—England under the Tudors, 1485-1603

(3 credits)

From the accession of Henry Tudor in 1485, including the backlash from the War of the Roses, to the death of Elizabeth I in 1603. Special emphasis is placed on the development of Tudor absolutism in the 16th century, the social and economic consequences of the Reformation and the position and plight of Catholics.

First semester

Louise Moore

Hs 222—England under the Stuarts, 1600-1714

(3 credits)

The course of events in England from the last years of the reign of Elizabeth I to the death of Queen Anne. The transition from Tudor mastery to Stuart ineptitude, Civil War, and the Restoration. Special emphasis on the struggle for power between the Crown and Parliament as the foundation for our own representative government.

Second semester

Louise Moore

Hs 234—Catholicism and Crisis in Modern Europe

(3 credits)

The development of social Catholicism and Christian Democracy in the 19th and 20th centuries has profoundly influenced both European history and Roman Catholicism. This course, offered jointly by the Departments of History and Theology, will examine such topics as the Revolution and Restoration of France, the "Roman Question," the Kulturkampf in Germany, Christian Democracy in the present centuries and new efforts to construct a "political theology."

Prerequisite: "Europe Since 1500."

Second semester

Rev. Francis Murphy

Hs 251-252—Twentieth Century America

(3, 3 credits)

Prerequisite: Hs 181-182, or its equivalent.

An in-depth study of the major political, economic, and social developments which characterized the history of the United States from the opening of the twentieth century to the present time.

Both semesters

Thomas Gray, S.J.

Hs 261-262—The History of Religions

(3, 3 credits)

After an introduction from the fields of history, sociology, and psychology, the lectures of the first semester deal with the Algonquins, Greece and Rome, the Ancient Hebrews, and Judaism. The lectures of the second semester deal with India and China, Islam, American Protestantism, and the philosophy of religion.

Both semesters

Offered biennially, 1973-1974

Joseph A. Devenny, S.J.

John D. Donovan

Robert F. Renahan

Kevin G. O'Connell, S.J.

Peter J. Kreeft

Hs 271—Seminar: Revolution and Counter-Revolution in Contemporary Europe
(3 credits)

An investigation of the nature of revolution and counter-revolution in 20th century western Europe. Students will be encouraged to develop projects dealing with the origins and evolution of both revolution and counter-revolution. Topics to be covered range from peasant revolution in Spain and Italy to the dynamics of fascism.

First semester

Peter de Garmo

Hs 271—Seminar: Social Change and Public Response
(3 credits)

The seminar will read secondary works that discuss the causes and consequences of social change in the late 19th and 20th centuries. Topics such as industrialization, social stratification, ethnic tensions, and agrarian discontent will be dealt with. Individual research on national, state and private responses to these changes will be the primary work of the seminar. Among the many possible topics are the labor, settlement house, and social welfare movements, and legislative and administrative reforms.

First semester

Allen Wakstein

Hs 272—Seminar: Saint Augustine, A Figure Between Two Worlds
(3 credits)

Augustine (354-430) as representative of one of the great ages of transition, that between the classical and Christian worlds. His life, as it appears not only in the *Confessions* but in his other writings, especially his letters, and the world he moved in, as pagan, heretic and Christian, in North Africa and Italy.

Second semester

Jocelyn Hillgarth

Hs 272—Seminar: Cities During Revolution
(3 credits)

Each student will analyze social, economic and political relationships within a particular city of Western Europe or North America during a period of local revolt or general revolution at any time between the 14th and 19th Centuries.

Second semester

L. Scott Van Doren

Hs 272—Seminar: Origins of Local Militia Units
(3 credits)

An investigation into the origins of Militia Units in the Massachusetts Bay Colony.

Second semester

Joseph Criscenti

Hs 200—Readings and Research: Independent Study

By decision of the Department the following procedure should be followed by all students interested in independent study. Proposals should be submitted, together with the approval of the faculty member directing the study to the Department Chairman who will refer them to the Department Committee on Undergraduate Educational Policy.

Hs 301—Modern China: The Ch'ing Dynasty
(3 credits)

China's social, political and economic institutions and Western impact during the Ch'ing period (1644-1911).

First semester

Silas Wu

Hs 302—Twentieth Century China
(3 credits)

Political, social and intellectual developments from 1911 to the present.
Second semester Silas Wu

Hs 351-352—Medieval English Constitutional History
(3, 3 credits)

The emergence and growth of the English polity—its traditions, institutions, and values—from early Anglo-Saxon times to 1485. England's uniquely vigorous combination of increasingly participative institutions within a highly effective central government will be examined with particular attention to relationships to both Continental history and English economic, religious and cultural history.

Both semesters

Offered biennially, 1973-1974

William Daly

Hs 363-364—Medieval France
(3, 3 credits)

First semester: from the expansion of the Franks into late Roman Gaul to the end of the Carolingian period. Second semester: from the rise of the Capetians to 1314. A reading knowledge of French, though not required, will significantly enlarge the student's access to scholarly works basic to an understanding of the subject. Major emphasis will be on political and institutional history, but religious, economic, and cultural aspects of French history will also be studied in some detail.

Both semesters

William Daly

Hs 365-366—Spain in the Middle Ages, 711-1516
(3, 3 credits)

A survey of medieval Spanish history. First semester: from the collapse of the Roman Empire in Spain to the end of the Caliphate of Cordoba in 1033. Second semester: from 1031 to 1516. Emphasis will be on social and economic developments, Muslim influence on Christian Spain, and the gradual growth of the separate Christian states of the Iberian Peninsula. The main theme is the creation of a land of three religions, Islam, Christianity and Judaism, differing widely from the rest of Western Europe. The literature of the age will be used, as far as possible, as well as political and economic accounts. Reading knowledge of Spanish will be very helpful but is not required.

Both semesters

Offered biennially, 1973-1974

Jocelyn Hillgarth

Hs 371-372—Medieval Church History
(3, 3 credits)

The first semester will concentrate on the conversion of Europe (particularly Western Europe) from paganism to Christianity (200-800 A.D.) and will attempt to discover to what type of Christianity Europe was converted and how deep was the conversion. The emphasis will be on widespread conversion, not on the few outstanding personalities or on philosophical ideas. The second semester, covering from about 800 to 1300, will be concerned with the Gregorian reform of the Church, the Crusades, the development of the papal monarchy, that of the monastic and religious orders, including the friars, changes in lay attitudes to religion, the growth of medieval heresy and attempts to combat it.

Both semesters

Jocelyn Hillgarth

Hs 373-374—Intellectual History of Medieval Europe, 200-1300
(3, 3 credits)

The development of philosophical and religious thought and its impact on social history. The first semester will concentrate on the transformation of classical thought and the rise of Christian religious philosophy. The second semester, covering from about 1050-1300, will deal with the Gregorian reform of the Church, the rise of vernacular literature, courtly love, monastic and cathedral schools, political thought in the new monarchies, and the universities of the thirteenth century.

Both semesters

Jocelyn Hillgarth

Hs 401—The Renaissance
(3 credits)

A study of the Renaissance, interpreted primarily as an economic, political and cultural phenomenon produced by the revival of antiquity and the Italian genius.

Fall semester

Offered biennially, 1973-1974

Samuel Miller

Hs 402—The Reformation
(3 credits)

A theological study in ecumenical perspective of the Reformation which places about equal emphasis on Martin Luther, John Calvin and the Council of Trent.

Second semester

Samuel Miller

Hs 404—Urbanization in Pre-Industrial Europe, 15th and 18th Centuries
(3 credits)

The growth of town life during the late medieval and early modern periods, various patterns of the physical layout of towns, the structures of urban society, the relationship between towns and the surrounding countryside, the causes of different types of urban social conflict.

Second semester

L. Scott Van Doren

Hs 407—Europe in the 17th Century
(3 credits)

A study of major political trends of the 17th century, with particular reference to Spain, Germany, the Netherlands, and France.

First semester

Samuel Miller

Hs 408—Europe in the 18th Century
(3 credits)

A study of the major political trends of the 18th century, with particular emphasis on the traditional monarchy of France, Enlightened Despotism, and the intellectual currents of the Enlightenment.

Second semester

Samuel Miller

Hs 421-422—Modern English History
(3, 3 credits)

Though beginning with a survey of the medieval background, the course will deal primarily with the period from 1485 to the present. Emphasis on politics and constitutional history, but with attention also to social, cultural, and intellectual developments.

Both semesters

Thomas Perry

Hs 425—Britain in the Twentieth Century
(3 credits)

A survey of Great Britain since 1900 concentrating on social and economic history. The course deals with such topics as the decline of Britain's economic superiority, changes in social structure, the rise of the working class, changes in political ideologies, and the growth of the welfare state.

First semester

Peter Weiler

Hs 426—History of the British Labour Movement
(3 credits)

This course examines the changes in the position of the working class in British society from the industrial revolution of the 18th century to the present. It will concentrate particularly on the development of trade unionism, socialism, and the Labour party.

Second semester

Peter Weiler

Hs 431—France in the 19th Century
(3 credits)

The course focuses upon social conflict in France, 1789-1914, with particular attention to the revolutions of 1789, 1848, and 1871. Three novels are used to analyze social conflict: Emile Zola's *Germinal*; Balzac's *Pere Goriot*; and Standhal's *The Red and the Black*. The social position of both the worker and the Jew in French society (and the growth of Socialism and Anti-Semitism) is also discussed. A second major theme is the search for political stability and economic growth. Louis-Napoleon, who provided both, is approached as the highpoint of the 19th century. Some attention is paid to French Art (Realism and Impressionism) during the century.

First semester

Michael DeLucia

Hs 432—France in the 20th Century
(3 credits)

The course deals with the impact of three successive wars upon French society and the fissures each created: the Second World War; the Indochina War (1946-54); and the Algerian War (1954-62). Emphasis is placed upon the roots of the 1940 defeat; the rationale behind collaboration with Germany; and DeGaulle's attempt in 1946 at reconstruction. The failure of the French to deal with guerrilla warfare successfully forms the second major topic. Attention is paid to the development of the Viet Minh in the 1940's; the military defeat at Dien Bien Phu; and French diplomacy at the Geneva Conference (1954). A third topic analyzes the return to power of DeGaulle in 1958 and the nature of his achievements.

Second semester

Michael DeLucia

Hs 434—Spain in the 20th Century
(3 credits)

The course will focus on the history of modern and contemporary Spain. Beginning with the proclamation of the First Republic in the 19th century, then turning to the urban insurrection in Barcelona ("The Tragic Week", 1909), the class will concentrate on the issues which led to the outbreak of the Civil War in 1936 and Spain's place in the post-1945 process of European integration.

Second semester

Peter deGarmo

Hs 441-442—The Rise of Modern Germany
(3, 3 credits)

A survey of the political, cultural, economic, and intellectual factors which contributed to the formation of modern Germany, from Napoleon in 1815 to Hitler in 1945.

Both semesters

Offered biennially, 1973-1974

John Heineman

Hs 451—Eastern Europe Between the Two World Wars, 1919-1939
(3 credits)

A survey of political, social, cultural and economic developments in Central and Eastern Europe between the two World Wars. The problem of the ethnic minorities and revisionism will be highlighted. The diplomacy of the great powers and the collapse of the East European alliance blocks will be treated in the second half of the course. Particular emphasis will be placed on the powers of the Little Entente: Yugoslavia and Romania.

First semester

Radu Florescu

Hs 452—Contemporary Problems in Eastern Europe, 1939 to Present
(3 credits)

A detailed study focusing attention on the course of events in Eastern Europe during World War II. The theme will center upon the collapse of the German Empire, the gradual disintegration of the Soviet Empire, neo-nationalism and the development of polycentrist tendencies within the Romanian, Polish, Hungarian, Czechoslovak and Albanian communist parties. Recent political, cultural, administrative and economic innovations as well as the role of personalities will be stressed.

Second semester

Radu Florescu

Hs 455—Russian History from 1801 to 1917
(3 credits)

Major social, economic, and political developments in Russia during the 19th and early 20th centuries up to the Bolshevik uprising.

First semester

Raymond McNally

Hs 456—The Soviet Union: 1917 to the Present
(3 credits)

A study of the historical organization and development of the soviet state from the Revolution to 1917 up to now.

Second semester

Raymond McNally

Hs 461—The Scientific Revolution of the Seventeenth Century
(3 credits)

An intensive historical examination of the development of scientific thought from Copernicus (1473-1543) to Newton (1642-1726), with special attention devoted to the ideas and theories of Kepler, Galileo, Descartes, Newton, and also to a consideration of the causes, meaning, and intellectual impact of the Scientific Revolution.

First semester

Edward Collins

Hs 462—The Development of Modern Scientific Thought (1750-present)
(3 credits)

An historical study of the dominant scientific thinkers and trends in Europe and America from the late eighteenth century to the present, with continuing reference to their cultural, political, social, and economic contexts.

Second semester

Edward Collins

Hs 463-464—Anglo-French Relations
(3, 3 credits)

The diplomatic relations between Great Britain and France from the British severance of the “entente cordiale” with the Orleans Monarchy over the Spanish dynastic issue to deGaulle’s prevention of Britain’s bid to join the Common Market in 1963.

Both semesters

Offered biennially, 1973-1974

Leonard Mahoney, S.J.

Hs 465-466—Modern European Diplomatic History
(3, 3 credits)

The international relations between the major European powers from the formation of the first *Dreikaiserbund* in 1873 to the genesis of the Cold War.

Both semesters

Leonard Mahoney, S.J.

Hs 469—European Social and Economic History
(3 credits)

The course will examine the changes brought to European life from the 1760’s to the 1870’s by rapid population growth, the appearance of factory industry, the emancipation of peasant populations of continental Europe, and the gradual transfer of economic and political power from the landed nobility to the middle classes. A paper will be required.

First semester

Offered biennially, 1973-1974

Andrejs Plakans

Hs 470—Social Thought in 19th Century Europe
(3 credits)

An intellectual history course examining the attempts of major European thinkers to comprehend the changes brought to European society by the industrial and democratic revolutions of the late 18th century. The course will examine the Enlightenment critics of corporate society, the new defenders of corporatism (Burke, deMaistre), the classical liberals (Mills, Tocqueville), socialists (Utopian socialists, Marx), and the positivist seekers of a science of society (Comte, Spencer). Recommended: Hs 469. A term paper will be required.

Second semester

Offered biennially, 1973-1974

Andrejs Plakans

**Hs 471-472—Industrial Growth, Agricultural, Modernization
and Social Change in 19th Century Europe**
(3, 3 credits)

This two-semester course will have two major themes: the causes, progress, and consequences of European industrialization; and the adjustment of Europe’s rural populations and institutions to life in an industrializing continent. The course will cover the period from the mid-18th to the 19th centuries and will focus on Western Europe, though Eastern European developments will be drawn upon for comparison.

Both semesters

Offered biennially, 1973-1974

Andrejs Plakans

Hs 473—Western Europe in the Twentieth Century
(3 credits)

The course will focus on the political, social and economic history of Western Europe since World War I. Particular attention will be paid to the political and social origins of Fascism, and the economic development and recovery after both World Wars, the quest for political stability and the move toward economic and political integration.

First semester

Peter deGarmo

Hs 481-482—Intellectual History of Modern Europe
(3, 3 credits)

The first semester examines the philosophical and social ideas which emerged in the late 19th century, and traces the social and institutional impact of these ideas on Europe through World War I. The second semester examines the ideas which became active in post-war Europe, with specific emphasis upon the philosophical and social ideas of Communism, Fascism and Nazism. In both semesters, the readings and discussions will cover a large number of books, including original works of Kierkegaard, Nietzsche, Sorel, Camus and Sartre, and representative novels, plays and scholarly works.

Both semesters

John Heineman

Hs 502—The American Revolution
(3 credits)

The causes and consequences of the American Revolution.

First semester

Joseph Criscenti

Hs 507—The Age of Jackson
(3 credits)

A study of the Jacksonian period of American History, with particular emphasis upon the way in which new political ideologies influenced changing patterns of thought in social, economic, and cultural affairs during the 1830's and 40's. Special consideration will be given to historical developments in New England and the Northeast.

First semester

Thomas O'Connor

Hs 508—House Divided
(3 credits)

A study of the crisis of the Union, from the close of the Mexican War to the end of the Civil War and the beginnings of Reconstruction. Special attention will be given to the varied causes which brought war about, and to the political and diplomatic considerations which influenced the course of the Civil War.

Second semester

Thomas O'Connor

Hs 535—The New Deal and World War II
(3 credits)

An examination of the Great Depression and the political, economic and social response to it, followed by an analysis of the causes and consequences of World War II.

First semester

Roger Johnson

Hs 536—The United States in the Atomic Age
(3 credits)

An examination of the emergence of the United States as a world leader after World War II, and the domestic political, social and economic tensions that America has experienced since 1945.

Second semester

Roger Johnson

Hs 541-542—Social and Cultural History of the United States
(3, 3 credits)

The development of society and culture from the arrival of the first Europeans to the Civil War. The major topics to be considered are immigration; economic shifts and the rise of American technology; the interaction of ethnic groups; religious diversity; social problems and reform movements; women, youth, and the family; and the popular culture, including entertainment and the arts.

Both semesters

Janet James

Hs 545-546—American Ideas and Institutions
(3, 3 credits)

A history of thought as it has developed within the framework of American society. The course will compare ideas of several distinct kinds: those which have expressed the prevailing ways of each period; those which have offered alternatives; and those which have sought artistically to mirror dreams and realities.

Both semesters

R. Alan Lawson

Hs 551—History of American Foreign Policy 1776-1914
(3 credits)

This course will cover the history and development of the major forces, personalities, and events which shaped an exclusively American foreign policy. Special consideration will be given to interpretation and analysis.

First semester

Frank Graff

Hs 552—History of American Foreign Policy 1914 to the Present
(3 credits)

This course will examine modern American diplomacy, the entanglement in world wars, and the attitudes, preconceptions, and prejudices which have led to the American foreign policy of the 1970's.

Second semester

Frank Graff

Hs 554—The History of American Economic Development
(3 credits)

Beginning with an analysis of the basis for economic growth, the course is organized around a number of topics including the role of agriculture, transportation, commerce, industry, labor, and government in the economic development of the country. Consideration will also be given to the impact and the interaction of economic change on political, social, and cultural developments.

First semester

Offered biennially, 1973-1974

Allen Wakstein

Hs 556—American Christianity
(3 credits)

The background and basic beliefs of the major Protestant denominations, and a history of the rise of the Catholic Church in the United States.

First semester

Offered biennially, 1973-1974

John Willis, S.J.

Hs 561-562—A History of Race in America
(3, 3 credits)

An exploration into the several concepts of race as an element in American civilization from the colonial period to the present. Topics include Anglo-Saxon superiority, the "white over black" concept, the Indian, ethnic minorities, and anti-immigration, Imperialism and Manifest Destiny, Social Darwinism, fundamentalism, the Yellow Peril and Anti-Semitism. Examination of contemporary literature as well as scholarly works in history, anthropology and political science.

Both semesters

Andrew Buni

Hs 565—The Urbanization of America
(3 credits)

The course is concerned with the concepts of urbanization, the growth of community consciousness, and the basis and process of urban growth and development. Among the topics considered are the origins of cities, urban rival-

ries, growth of community services, social mobility, metropolitanization, and the social, political, and economic impact of urbanization.

First semester

Allen Wakstein

Hs 576—The History of Women in the United States
(3 credits)

A survey of women's role in the home and in the world of affairs from the colonial period to the present, including their contributions to the economy, religious and intellectual life, politics, and reform. Changing popular attitudes toward women and the development of feminist thought will also be considered.

Second semester

Janet James

Hs 591—The Colonial Period in Latin America
(3 credits)

Indian culture on the eve of discovery, the nature of Spanish and Portuguese imperial rule in the New World, and the impact of Western Civilization on the Indians.

First semester

Joseph Criscenti

Hs 592—Argentina, Brazil, and Chile
(3 credits)

The emergence of Argentina, Brazil, and Chile as great powers in South America.

Second semester

Joseph Criscenti

Faculty

Department of History

Professor Emeritus:

Martin P. Harney, S.J.

Professors:

William M. Daly, Raymond T. McNally, Thomas T. O'Connor, Silas H. L. Wu.

Associate Professors:

Andrew Buni, Joseph T. Criscenti, Radu R. Florescu, John L. Heineman (*Chairman*), Jocelyn N. Hillgarth, R. Alan Lawson, Samuel J. Miller, Thomas W. Perry, Allen M. Wakstein (*Assistant Chairman*).

Adjunct Associate Professor:

Janet W. James.

Assistant Professors:

Henry A. Callahan, S.J., Edward J. Collins, Peter H. deGarmo, Michael S. Delucia, Joseph Glavin, S.J., Frank Graff, Thomas Grey, S.J., Roger T. Johnson, D. Edward Knox, Leonard P. Mahoney, S.J., Louise S. Moore, Rev. Francis Murphy, Andrejs Plakans, John H. Rosser, L. Scott VanDoren, Peter H. Weiler.

Instructor:

Paul M. Roberts.

Department of Mathematics (Mt)

An asterisk at the beginning of a course title indicates a course open to qualified students with the approval of the Department. Certain other courses listed in the bulletin issue of the Graduate School of Arts and Sciences may be taken as advanced electives with Departmental approval.

Mt 002-003—Introduction to College Mathematics I, II
(3, 3 credits)

These courses are intended as preparation for calculus courses. Topics generally include real numbers, linear equations, quadratic equations, coordinate geometry and trigonometry. Enrollment is restricted and permission of the Chairman or Assistant Chairman is needed.

The Department

Mt 004-005—Introduction to Finite Mathematics I, II
(3, 3 credits)

This course sequence is for students in the humanities, the social sciences, and the School of Education. Topics include elementary logic, set theory, counting principles, probability theory, vectors and matrices.

The Department

Mt 006-007—Ideas in Mathematics I, II
(3, 3 credits)

The emphasis in this course will be two-fold: first, to demonstrate the beauty, vitality, and methods of Mathematics; and second, to challenge the student to make, test, and prove his own conjectures. The topics for the course will be drawn from Number Theory and Geometry, and will include a discussion of the Fundamental Theorem of Arithmetic and Euler's Formula for Polyhedra.

Harvey R. Margolis
Paul R. Thie

Mt 014-015—Analytic Geometry and Calculus I, II
(3, 3 credits)

This course sequence is for students in the humanities, the social sciences, and School of Education. Beginning with the elements of analytic geometry, including a discussion of lines, circles, and parabolas, it then proceeds to a consideration of standard topics in calculus: limit, continuity, derivative, and integral. The treatment of derivative includes differentiation of algebraic and transcendental functions along with applications, conics, parametric equations, and polar coordinates. The study of the integral is continued by discussion of methods of integration along with applications.

The Department

Mt 018-019—Mathematics in the Modern World I, II
(3, 3 credits)

This course sequence is for students in the humanities and social sciences who are also in the college Honors Program. Topics covered vary from year to year. This year these courses will introduce the student to some of the chief areas of mathematics, underlining the nature, structure and methods of mathematics with particular emphasis on the calculus.

Gerald G. Bilodeau

Mt 100-101—Calculus I and II
(3, 3 credits)

This course sequence is for students majoring in Biology, Chemistry, Geology, and Physics. Topics covered include inequalities, functions, limits, and continuity, differentiation and applications, the definite integral and some elementary applications, also analytic geometry of conic sections, the trigonometric, exponential, and logarithmic functions, parametric equations, polar coordinates, techniques of integration, and applications of integration.

The Department

Mt 102-103—Introductory Analysis I, II
(3, 3 credits)

This course sequence is for students majoring in Mathematics. Topics covered include a treatment of the algebraic properties of the real number system, functions, analytic geometry of the line and the conic sections, limits, and derivatives, the analytic properties of the real number system, integration, and applications of the derivative and integral.

The Department

Mt 112-113—Introductory Analysis (Honors) I, II
(3, 3 credits)

Enrollment in these courses is limited to students who have demonstrated an unusually high aptitude and achievement in Mathematics. Topics covered include the algebraic properties of the real number system, a brief treatment of analytic geometry, limits and properties of the real number system, derivatives, the analytical integration, elementary functions and applications of the differential and integral calculus.

John P. Shanahan

Mt 200-201—Intermediate Calculus I, II
(3, 3 credits)

This sequence of courses is a continuation of Mt 100-101. Topics include vectors and analytic geometry of three dimensions, partial differentiation, Taylor's Theorem, multiple integrals with applications, introductory differential equations, infinite series, including power series and Taylor's series.

Robert J. LeBlanc

Mt 202-203—Multivariable Calculus I, II
(3, 3 credits)

This sequence is a continuation of Mt 102-103. Topics covered include vector algebra and analytic geometry of three dimensional space and the differential calculus of vector-valued functions, multiple integrals, and an introduction to differential equations.

The Department

Mt 212-213—Multivariable Calculus (Honors) I, II
(3, 3 credits)

Enrollment in these courses is limited to those students whose work in Mt 113 has been of honors quality. Topics covered include vector-valued functions including some elementary differential geometry of curves and surfaces, multiple integrals, and an introduction to differential equations.

Harvey R. Margolis

Mt 214—Intermediate Calculus
(3 credits)

Prerequisite: Mt 015.

This course is for students in the humanities and social sciences and is a continuation of Mt 015. Topics include analytic geometry of three dimensions and partial differentiation, infinite series, multiple integrals.

First semester

John F. Caulfield, S.J.

Mt 215—Linear Algebra
(3 credits)

Prerequisite: Mt 015.

This course is usually paired with Mt 214 even though Mt 214 is not a prerequisite. Topics include matrices, vector spaces, determinants, linear equations and applications.

Second semester

John F. Caulfield, S.J.

Mt 216—Introduction to Linear Algebra
(3 credits)

This course is paired with Mt 218 for an algebra sequence and is for students majoring in Mathematics. Topics include vector spaces, matrices, linear maps, scalar products, determinants, eigenvectors and eigenvalues. Other topics as time permits.

First semester

The Department

Mt 218—Introduction to Abstract Algebra
(3 credits)

This course is paired with Mt 216 for an Algebra sequence and is for students majoring in Mathematics. Topics include groups, rings, fields, integral domains, quotient structures and homomorphism theorems. Other topics as time permits.

Second semester

The Department

Mt 300-301—Advanced Calculus for Scientists I, II
(3, 3 credits)

Prerequisite: Mt 201.

For Physics, Chemistry and Geology Majors. Topics include differential equations of first and higher order. Methods of solution include variation of parameters, operators, and matrices. Eigenvalues, and eigenvectors. Line and surface integrals. Multiple integrals, change of variable, Green's theorem. Indeterminate forms, sequences and series, Fourier analysis.

Joseph F. Krebs

Mt 302-303—Mathematical Analysis I, II
(3, 3 credits)

Prerequisite: Mt 203 or Mt 213.

Topics covered include a systematic treatment of sequences and series of real numbers and of functions. Metric spaces are introduced along with the notions of continuity in metric spaces, compactness, connectedness and completeness. Other topics may be covered as time permits.

The Department

Mt 312-313—Mathematical Analysis (Honors) I, II
(3, 3 credits)

Prerequisite: Mt 213.

Enrollment is restricted to those students whose work has been of honors quality. The content of these courses is similar to that of Mt 302-303.

Gerald G. Bilodeau

Mt 316—Introduction to Linear Algebra (Honors)
(3 credits)

A basic introduction to some of the main notions of linear algebra: vector spaces, linear transformations, matrices, determinants, and inner product spaces. Applications to systems of linear equations. Geometric interpretations will be stressed. This course is designed to introduce the student to abstract algebra in a fairly concrete setting.

First semester

Mark B. Ramras

Mt 318—Introduction to Abstract Algebra (Honors)
(3 credits)

An introduction to algebraic structures: groups, rings, and fields. Topics include: properties of the integers, cyclic groups, permutation groups, homo-

morphisms, factor groups, polynomial rings, integral domains and their quotient fields.

Second semester

Mark B. Ramras

Mt 390—Introduction to Computer Programming
(3 credits)

This course consists of an introduction to programming using FORTRAN IV.

Laboratory fee

Both semesters

The Computing Center Staff

Mt 402—Actuarial Mathematics I
(3 credits)

Prerequisite: Mt 203.

This course covers those topics in algebra which are of special interest to those preparing for careers as actuaries. Topics covered include theory of numbers, elementary sequences and series, inequalities, elementary theory of equations, and elementary theory of probability.

First semester

Paul T. Banks

Mt 403—Actuarial Mathematics II
(3 credits)

Prerequisite: Mt 203.

This is a course in the calculus of finite differences. Topics covered include symbolic operations, interpolation formulae and techniques, finite differentiation and integration, summation of series, and elementary equations.

Second semester

Paul T. Banks

Mt 410—Intermediate Differential Equations
(3 credits)

Prerequisites: Linear Algebra and Mt 203.

This course is a junior-senior elective intended primarily for the general student who is interested in seeing applications of mathematics. Among the topics covered will be: first order linear equations, second order linear equations, general n^{th} order equations with constant coefficients, series solutions, special functions.

First semester

Gerald G. Bilodeau

Mt 411—Introduction to Applied Mathematics
(3 credits)

Prerequisites: Linear Algebra and Mt 203.

A careful study of a few selected physical problems is made developing, among other topics, expansions in Fourier series and general orthogonal expansions.

Second semester

Gerald G. Bilodeau

Mt 412-413—Introduction to Computer Science I, II
(3, 3 credits)

Topics in: FORTRAN, basic computer functions, basic machine language, elementary compiler-assembler principles, sub-routines, data file structures.

Laboratory fee

William T. Griffith

Mt 422-423—Mathematical Statistics I, II
(3, 3 credits)

Prerequisite: Mt 203.

The basic notions of probability are presented, using the algebra of sets. Topics covered include probability density, and distribution functions of discrete, continuous, and combined random variables; random sampling; binomial, Poisson, and multinomial distributions; measures of central tendency and variability; Chebyshev's inequality; Bernoulli's theorem, central limit theorem; estimation of parameters and maximum likelihood estimates; correlation and regression; the normal chi-square, Student's t and F distributions, with applications in obtaining confidence intervals and testing hypotheses.

Archille J. Laferriere

Mt 424—Combinatorics
(3 credits)

Prerequisites: Mt 203 and Mt 216, 218.

Topics include permutations and combinations, binomial and multinomial theorems, special functions such as the Euler function, generating functions with applications, partitions.

Not offered, 1972-1973

The Department

Mt 425—Linear Programming and Game Theory
(3 credits)

Prerequisite: Linear Algebra.

An introduction to the theory, techniques, and applications of Linear Programming and Game Theory. Topics studied from Linear Programming include a general discussion of linear programming problems, convexity, the theory and the development of the simplex technique, degeneracy, and duality. Topics studied from Game Theory include a general discussion of games in normal and extensive form, utility theory, the principle of optimality, two-person zero-sum games, the relationship to Linear Programming and the Fundamental Theorem of Game Theory, two-person non-zero-sum games, n-person games.

The course is designed to demonstrate how Mathematical theory can be developed and applied to solve problems from business, economics, and the social sciences.

First semester

Paul R. Thie

Mt 428—Probability
(3 credits)

Prerequisite: Mt 213 or Mt 303.

A general introduction to modern probability theory. Topics studied include discrete and continuous sample spaces and distributions, the distribution of functions of random variables, and the Poisson limit and central limit theorems.

Second semester

Augustus J. Fabens

Mt 429—Markov Chains
(3 credits)

Prerequisites: Linear Algebra and Mt 202-203.

Elementary finite probability. Examples of multistate systems and their probability vectors. Probability transition matrices. Frobenius theory of positive matrices. Irreducible chains with absorbing states. Random walks. Chains in which the probability vector tends to a limit (ergodic theorems). A glimpse at infinite chains. The gambler's ruin.

This course is intended to overlap very little with Mt 428 and may be taken for credit in addition to Mt 428, either before or after the latter. Although

rigorous, this course uses less heavy analysis than Mt 428 and is aimed toward elementary practical results and applications.

First semester

Augustus J. Fabens

Mt 430—Introduction to Number Theory
(3 credits)

Prerequisite: Mt 216, 218.

Topics covered include divisibility, unique factorization, congruences, number-theoretic functions, primitive roots, diophantine equations, continued fractions, quadratic residues, and the distribution of primes. An attempt will be made to provide historical background for various problems and also to provide examples useful in the secondary school curriculum.

Second semester

Frederick P. Gardiner

Mt 440-441—Topology
(3, 3 credits)

Prerequisites: Mt 203 and Mt 216, 218.

The first semester is devoted to point-set topology. Topics will include: the concept of a topological space; subspaces, quotient spaces and product spaces; compactness and paracompactness; connectedness. The second semester is devoted to algebraic topology. Topics will be chosen from within the following areas: homotopy theory, homology theory, category theory.

Harvey R. Margolis

Mt 451—History of Geometry
(3 credits)

Prerequisite: Linear Algebra.

The development of geometric ideas and concepts of physical space from ancient times to the present. Emphasis will be placed on the interplay between geometric theory and man's philosophical view of the universe.

Topics include: early Egyptian and Greek geometry; axiomatics; history of the parallel postulate and the discovery of non-Euclidean geometry; fundamentals of Lobachevskian geometry; non-Euclidean geometry and physical space; intuitionism vs. empiricism; Riemannian geometry; the theory of relativity and modern cosmology.

Second semester

Richard L. Faber

Mt 460—Symbolic Logic
(3 credits)

Topics include the propositional calculus; first order theories; Godel's completeness theorem; first order arithmetic; Godel's incompleteness theorem.

Second semester

Louis O. Kattsoff

Mt 470-471—Introduction to Numerical Analysis I, II
(3, 3 credits)

Prerequisite: Mt 301 or Mt 303.

Topics include the solution of linear and non-linear algebraic equations, interpolation, numerical differentiation and integration, numerical solution of ordinary differential equations, approximation theory.

Not offered, 1972-1973

Rose R. Carroll

Mt. 699—Reading
(credits by arrangement)

This course is open to a student only on the recommendation of some member of the faculty and with the approval of the Chairman or Assistant

Chairman. The student will work independently in some advanced or special area of mathematics under the guidance of a faculty member. Course credits vary according to the amount and character of the work undertaken.

The Department

***Mt 802-803—Analysis I, II**
(3, 3 credits)

This course is an introduction to abstract analysis. It includes a development of the real number system and a study of continuity and convergence in the setting of a metric space. It also includes a rather general treatment of differentiation and integration, both Riemann and Lebesgue.

Joseph A. Sullivan

***Mt 812-813—Functions of Real Variables I, II**
(3, 3 credits)

Prerequisite: Mt 802-803 or the equivalent.

Metric spaces. Lebesgue integration, absolute continuity and differentiation of functions of bounded variation. Basic results in functional analysis.

Frederick P. Gardiner

***Mt 814-815—Theory of Functions of a Complex Variable I, II**
(3, 3 credits)

Differentiation and integration of a function of a complex variable, series expansion, residue theory. Entire and meromorphic functions, multiple-valued functions. Riemann surfaces, conformal mapping problems.

John H. Smith

***Mt 816-817—Modern Algebra I, II**
(3, 3 credits)

Prerequisite: An introductory course in modern algebra.

This course will study the basic structures of modern algebra from a more abstract point of view than that of Mt 316-318.

John P. Shanahan

***Mt 818-819—Abstract Algebra**

Prerequisite: Mt 316-318 or the equivalent.

Groups, rings and modules. Homomorphism theorems, chain conditions, semisimplicity. Basic commutative algebra and ideal theory. Field extensions and Galois theory. Other topics as time permits.

William M. Singer

***Mt 828-829—Probability I, II**
(3, 3 credits)

Prerequisites: Some Probability and Statistics or consent of Instructor.

The axioms and classical limit theorems of probability. Markov chains. The Poisson process and other stochastic processes. Queues.
Not offered, 1972-1973

***Mt 840-841—Topics in Topology I, II**
(3, 3 credits)

Prerequisite: Mt 440-441 or the equivalent.

Topics to be covered will be at the discretion of the instructor and will depend on the background of the students.
Not offered, 1972-1973

***Mt 850-851—Differential Geometry I, II**
(3, 3 credits)

Prerequisites: Advanced Calculus and Linear Algebra.

Topics covered include: plane and space curves, Seret-Frenet formulas, first and second fundamental forms of a surface, principal curvatures, mean and Gauss curvatures of a surface, covariant differentiation and parallelism, connection forms, structural equations, geodesics, isometrics, global surface theory, Riemannian manifolds, tensor fields.

Richard L. Faber

***Mt 860—Mathematical Logic**
(3 credits)

The propositional calculus. First order theories. Godel's completeness theorem. First order arithmetic. Godel's incompleteness theorem.

First semester

Walter J. Feeney, S.J.

***Mt 861—Foundations of Mathematics**
(3 credits)

Prerequisite: An introductory course in mathematical logic or the consent of Instructor.

Topics to be treated in this course will be selected from one or more of the following areas: axiomatic set theory, model theory, recursive function theory.

Second semester

Walter J. Feeney, S.J.

***Mt 870-871—Numerical Analysis I, II**
(3, 3 credits)

Solutions of algebraic and transcendental equations. Interpolation. Numerical differentiation and integration. Numerical solution of ordinary differential equations. Matrix methods including iterative methods for determining characteristic values of matrices. Harmonic analysis. Some of the numerical methods for the approximate solution of partial differential equations.

Not offered, 1972-1973

Faculty

Department of Mathematics

Research Professor: René J. Marcou.

Professors: Stanley J. Bezuska, S.J., Gerald G. Bilodeau, Louis O. Kattsoff, Joseph A. Sullivan (*Chairman*).

Associate Professors: Rose R. Carroll (*Assistant Chairman*), Augustus J. Fabens, Richard L. Faber, Walter J. Feeney, S.J., John P. Shanahan, John H. Smith, Paul R. Thie.

Assistant Professors: Paul T. Banks, John F. Caulfield, S.J., Frederick P. Gardiner, Enrique V. González, Julien O. Hennefeld, Margaret J. Kenny, Joseph F. Krebs, Archille J. Laferriere, Robert J. LeBlanc, Harvey R. Margolis, Mark B. Ramras, William M. Singer.

Instructor: Charles H. Toll.

Teaching Fellows: Barbara A. Browne, Preston A. Bush, Elaine M. Caddick, Robert J. Carbonneau, Maureen A. Conroy, Jane E. Haass, Robert P. Hussey, Thomas E. Kelley, David P. Lang, John M. Lewis, Richard L. Mucci, Judith A. Zalewski.

Music Program (Mu)

Mu 59—Music in Western Culture (3 credits)

A study of the development of music and great composers in the history of Western civilization, against a background of the social, political and philosophical forces responsible for its evolution.

Both semesters

Alexander Peloquin

Mu 60—Survey of the History of Western Music (3 credits)

A comprehensive one-semester foundation course in Western music from the ninth century to the present; examination of major musical forms, styles, and ideas as utilized by the great composers.

Both semesters

Olga Stone

Mu 61—Survey of Western Music from the Middle Ages to the Classical Period (3 credits)

Introduction to Western music through study of styles and forms characteristic of various periods in art history.

First semester

Sr. Rosina Casey, O.F.M.

Mu 62—Survey of Western Music from Beethoven to the Twentieth Century (3 credits)

A continuation of Mu 61. (Mu 61 is *not* a prerequisite.)

Second semester

Sr. Rosina Casey, O.F.M.

Mu 165—Modern Music (3 credits)

A study of the development of music in this century, including the classical, popular and jazz productions, with consideration given to some of the problems of composers and performers.

Both semesters

Alexander Peloquin

Mu 167—Contemporary Music in America (3 credits)

American trends in musical composition: electronic music; new media in expression; the music of Charles Ives, Aaron Copeland, Samuel Barber, Vincent Persichetti, Elliot Carter, Leonard Bernstein, and Edgar Varese.

First semester

Berj Zamkochian

Mu 168—The Age of Baroque (3 credits)

An examination of the music from the period from 1600 to 1750, during which organ literature, the cantata, the oratorio and the opera were all given their definitive form.

Second semester

Berj Zamkochian

Mu 172—Music of the Romantic Era (3 credits)

Changing concepts of the symphony after Beethoven, the Romanticists' approach to form. Study of the major symphonies and chamber works from Schubert to Richard Strauss.

Second semester

Olga Stone

Mu 173—The Beethoven Symphonies
(3 credits)

A thorough examination of the nine symphonies, their classical origins and sources as well as innovations leading to the development of music of the nineteenth and twentieth centuries.

First semester

Olga Stone

Mu 174—The Impressionist School
(3 credits)

Orchestral, instrumental and chamber music from Debussy to Stravinsky.

Second semester

Olga Stone

Mu 175—Music of the Classical Period
(3 credits)

The formulation of the classical principles of construction by Joseph Haydn, with reference to the contributions of C.P.E. Bach and the Mannheim School. The fulfillment of the classical ideal in the works of Mozart and Beethoven.

First semester

Olga Stone

Mu 181-182—Organ Performance

A non-credit course, requiring a tutorial fee of \$240. The University Organist will give private organ lessons to a limited number of organ students. Twelve 55-minute private lessons per semester, covering literature of the various schools of organ composition. Students will be expected to participate in one organ recital per semester. Determination for acceptance into the program will be made by the University Organist after private audition.

Both semesters

Berj Zamkochian

Mu 183-184—Piano Performance

Details precisely as Mu 181-182, designed for the piano, and conducted by the Musician-in-Residence.

Both semesters

Olga Stone

Faculty

Music Program

Composer-in-Residence: C. Alexander Peloquin.

Assistant Professor and
Musician-in-Residence: Olga Stone.

Lecturers: Berj Zamkochian, John R. Willis, S.J.*

Instructor: Sr. Mary Rosina Casey, O.F.M.

* Sabbatical leave 1972-73.

Department of Philosophy (PI)

CORE COURSES

PI 007—Philosophy of Man
(3 credits)

This course considers the nature of man from the evidence of personal experience, science, and the philosophical reflections of key figures in Western thought.

Both semesters

The Department

PI 009—Philosophy of Value
(3 credits)

An investigation of the rational basis of moral value in an attempt to establish ethical principles. Specific application of these norms will be examined and applied to various moral problems.

Both semesters

The Department

COURSES IN PULSE PROGRAM

PI 006—Man in Cultural Conflict
(3 credits)

Prerequisite: concurrent participation in an approved PULSE field project.

Through combined classroom and community-action experiences, this course will focus upon the changes in symbols, meanings and values confronting the individual in periods of cultural transition. This will provide an introduction to the PULSE Program for Social Action.

Both semesters

The Department

PI 008—Philosophy of Social Reality
(3 credits)

Prerequisite: concurrent participation in an approved PULSE field project.

Students will encounter the forces and structures which constitute man's social existence in both action and reflection. Understanding these phenomena will provide a context out of which effective and authentic social action may proceed. This course is recommended for students with previous experience in the PULSE Program.

Both semesters

James J. Valone

PI 233—Values, Health and Welfare
(3 credits)

This course will undertake a multidisciplinary critique of health delivery as a system in the United States. A primary objective will be the development of critical modes of thinking as a way to understand and influence social change.

This course is open to all interested, although concurrent participation in a PULSE field project is strongly recommended.

First semester

The Department

PI 234—Society and Economy
(3 credits)

A study of contemporary economic theories in relation to national and international social structure.

First semester

Joseph F. Flanagan, S.J.

PI 235—Philosophy of Community I
(3 credits)

A study of community structure from an economic, social and psychological perspective.

First semester

Joseph F. Flanagan, S.J.

PI 230—Human Relations and Community
(3 credits)

An exploration of the depths of meanings, values and feelings which constitute the reality and uniqueness of human living in community. In addition

to readings, students will draw on their personal and project experiences from their participation in PULSE field projects.

Second semester

The Department

PI 236—Philosophy of Community II
(3 credits)

A study of community structure from an economic, social and psychological perspective. (This is a continuation of PI 235, Philosophy of Community I.)

Second semester

James J. Valone

PI 237—Philosophy of Social Change
(3 credits)

A discussion of the various moral dimensions of radical social change. This course is designed to complement the more practical experience of the PULSE Program with a form of basic, critical reflection on how we go about forming judgements, establishing priorities, and setting policy in society. It will deal with such subjects as responsibility and the social order, the good of history, justice and friendship, authority and law, totalitarianism and revolution.

Second semester

Oliva Blanchette, S.J.

ELECTIVES

FIRST SEMESTER—1972

PI 150—Contemporary Analysis of Myth and Symbol
(3 credits)

A phenomenological study of myth and symbol based primarily on the writings of Paul Ricoeur and Mircea Eliade. The course will also aim at a critical and comparative analysis of the approaches of Freud and Jung to the interpretation of mythico-symbolic expression.

First semester

Richard M. Stevens, S.J.

PI 151—Love, Life, Loneliness
(3 credits)

Contemporary phenomenology has provided three radically different answers to the question: "Is it ontologically possible for human persons to achieve a genuine interpersonal relationship?" After a survey of the development of the notion of subjectivity in modern philosophy, a study will be made of phenomenologists representing each of these three positions.

First semester

Thomas J. Owens

PI 153—The Heidegger Project I
(3 credits)

This is a course designed to allow undergraduates an opportunity to work closely with the major texts of Martin Heidegger, one of the leading twentieth-century philosophers. Students will be expected to participate in assessing Heidegger's relevance to contemporary issues and in developing their own philosophical views vis-a-vis Heidegger's. The project will continue for two semesters. Some knowledge of traditional philosophy (e.g., Aristotle, Descartes, etc.) would be helpful, but is not an absolute prerequisite.

First semester

Thomas J. Owens

PI 165—Human Person and Love
(3 credits)

This course will consider the notion of personal love in Greek and early Christian thinking, trace this through the medieval period with special

emphasis on the problem of courtly love and the love of the mystics, concluding with a discussion of some contemporary thinkers on the meaning of love in human experience.

First semester

Gerard C. O'Brien, S.J.

PI 167—Search for Being
(3 credits)

The source, foundation, meaning and purpose of being. Various Monistic and Dialectic approaches. The attempt to intuit being through its causes.

First semester

Joseph L. Barrett, S.J.

PI 168—Philosophy in the Bible
(3 credits)

A philosophical—rational—personal exploration into the world's most influential book. Three philosophies of religion emerge, emphasizing wisdom, human experience, and mystical union. Jesus as Socratic teacher, Zen *roshi*, and personal Savior. Parallels and applications to contemporary man and his world.

First semester

Peter J. Kreeft

PI 169—Culture and Religion
(3 credits)

Starting with the roles of religion and rational consciousness in the Greco-Roman and Judaic civilizations, this course will trace the emergence of a distinct mode of philosophical investigation among the Greeks and its subsequent integration with Christian belief in the age of the "Fathers of the Church." The 13th century Thomistic analysis of Sacred Theology as the integration of Faith and reason will then be studied. Approaching the modern era, an effort will be made to analyze the antagonism of religious belief and rationalism which gained momentum with the development of an autonomous "scientific method." The course will conclude with an investigation of the present-day status of 1) the fundamentalist expressions of religious belief, 2) the varieties of "pure" philosophy, and 3) some contemporary theological syntheses, as well as the relevance of all three endeavors to the actual structures of our society.

First semester

Stuart B. Martin

PI 210—Contemporary Marxism
(3 credits)

A study of Marxism from its Hegelian origins, through Marx himself and on into the contemporary scene.

First semester

Frederick J. Adelman, S.J.

Un 212—Perspectives in Marxism
(3 credits)

This is an inter-disciplinary course taught by several professors and sponsored by the Slavic and East European Center and the Department of Philosophy. The course is designed to introduce students to the fundamental problems involved in the study of the theory and practice of Marxism, Marxism-Leninism and Maoism.

First semester

The Departments

PI 239—Social and Cultural Philosophy
(3 credits)

A consideration of phenomenological, Marxist and empirical models for social thought and action.

First semester

David M. Rasmussen

PI 240—Studies in Value Conflict
(3 credits)

Reflecting on my own situation I have identified the following problems involved in reorientation. Within each of the communities to which I belong (as an American, a Catholic, a Jesuit, a member of Boston College) I found members split over symbols, posture toward change, institution vs. person, freedom vs. authority, education, priority of communities, the role of thinking in living. Having reached tentative solutions on each of these issues, I would welcome cooperation of a few students interested in the same over-all problem. My expectations would be two-fold: first, reaction to my reflections on these issues; second, a serious paper which may substantiate, advance or contradict my conclusions.

First semester

Joseph H. Casey, S.J.

PI 264—Logic
(3 credits)

Logic as a formal science and art of valid deductions. Both traditional and symbolic approaches to correct thinking.

First semester

Joseph L. Barrett, S.J.

PI 266—Practical Logic
(3 credits)

A study of the rules of correct reasoning together with their application to concrete cases.

First semester

William J. Haggerty, Jr.

PI 270—A Modern Encounter With Philosophy
(3 credits)

A course is offered to anyone who would wish to examine some of the great philosophical texts and their relevance to today's moral, social, and political issues, without in any way distorting these texts or watering down their intellectual content. The issues would be: LSD, ESP, The Insanity Defense, Repression, Draft, Drugs & Religion. The Philosophers: Aristotle, Plato, Descartes, Hume, Mill, Marx, Nietzsche, James. The text: "Philosophy—A Modern Encounter" by Robert Paul Wolff.

First semester

Francis P. Molloy S.J.

PI 275—Philosophy in Literature
(3 credits)

A non-systematic but rational exploration of basic philosophical themes such as self-identity, time, death, chance, duty, happiness, love, truth, God, freedom, and immortality in a few selected classics such as *The Lord of the Rings* and *The Brothers Karamazov*.

First semester

Peter J. Kreeft

PI 279—Metaphysics: A Philosophy of Being
(3 credits)

A systematic discussion of validity and method in metaphysics (the question of being), analogy (the notion of being), activity, unity, truth, and goodness (the properties of being), becoming (the structure of being), causality and finality (the communication of being), and the ultimate meaning of being (the summit of being).

First semester

Oliva Blanchette, S.J.

PI 280—Slavery and Freedom
(3 credits)

This is a book on CHRISTIAN PERSONALISM and it is a daily challenge to anyone interested in BECOMING A PERSON. For instance: "This is a philosophical book and it presupposes SPIRITUAL REFORM"—"Human personality is only human personality when it is divine-human personality." "Human personality is theandric existence."

First semester

John D. Donoghue, S.J.

PI 299—Readings and Research
(3 credits)

By arrangement.

First semester

The Department

PI 320 (CI 210)—Early and Middle Dialogues of Plato
(3 credits)

Reading (in translation) and discussion of the Dialogues and including to the *Republic*, from *Theaetetus* to *Laws*.

By arrangement.

First semester

Joseph P. Maguire

PI 325 (CI 212)—The Young Aristotle
(3 credits)

Reading and discussion of the fragments in their relation to Plato and the Academy, on the one side, and, on the other, to Aristotle's own treatises on ethics, psychology, physics and ontology.

By arrangement.

First semester

Joseph P. Maguire

PI 354—The Christian Philosophy of Thomas Aquinas
(3 credits)

A detailed examination of Aquinas as a 13th century medieval theologian confronting the key issues of his time and an assessment of trends in Contemporary Thomism.

First semester

Norman J. Wells

PI 423—Introduction to Analytic Philosophy
(3 credits)

The main movements in Analytic Philosophy will be presented in their historical development. The philosophy of G. E. Moore, the Logical Atomism of Russell, the Logical Positivism of Ayer and Carnap, Wittgenstein and Ordinary Philosophy will be treated in lectures and discussion.

First semester

Richard T. Murphy

PI 427—Existential Psychology
(3 credits)

This "Third Force" in psychology is not preoccupied with behavioristic structures and classical psychoanalytical theory. Influenced by the philosophies of existentialism, it is concerned with human potentialities such as love, self-actualization, ego-transcendence, liberty, responsibility, psychological health, etc.

First semester

Daniel J. Shine, S.J.

PI 430—Introduction to Phenomenology
(3 credits)

Husserl, Heidegger, Sartre and Merleau-Ponty will be examined. A critical analysis of the limits of phenomenology will be made.

First semester

David M. Rasmussen

PI 431—Philosophy of Karl Jaspers
(3 credits)

The course examines Jaspers' idea of philosophy. It seeks to investigate the meaning and functions of the crucial concepts of *Existenz*, Encompassing, Reason, Philosophical Faith, Ultimate Situation, Cipher, and Foundering. The course aims also at a better understanding of the relation between Jaspers' views and those of Kant, Kierkegaard, and Nietzsche.

First semester

Joseph L. Navickas

PI 445—The Origins of American Pragmatism
(3 credits)

A critical account of the philosophical views of Pierce and James, with an accent on the link between Pragmatism and the two more contemporary movements of Phenomenology and Linguistic Analysis.

First semester

Richard M. Stevens, S.J.

PI 455—Kierkegaard and Nietzsche
(3 credits)

This course will study the life and thought of these two leading thinkers of the nineteenth century, who have had such an important influence on contemporary thought. There will be lectures on the key ideas of their thought and also classroom analysis of some of their important works. This course can be very helpful as a prelude to any course on Existentialism.

First semester

John P. Rock, S.J.

PI 501—Marx and Schelling as Metaphysicians of Nature
(3 credits)

Marx wrote his doctoral dissertation on philosophy of nature. If he returned to the subject it was only indirectly through *Capital*. F. W. Schelling's dialectic of nature served as link between the subjective dialectic of Fichte and the Absolute dialectic of Hegel. This course describes and analyzes the complex relationships among these four philosophers, with main emphasis on how Marx' view of the universe faithfully reflects both the influence of Schelling on him and his effort to overthrow what he saw as Schelling's idealism.

First semester

Thomas J. Blakeley

PI 502—Pre-Marxist Russian Philosophy
(3 credits)

The course provides an historical survey of the various doctrines, insights, and trends in the pre-revolutionary Russian thought. Special attention will be given to the philosophy of Skovoroda, Chaadaev, Herzen, Dostoevsky, and Solovyov.

First semester

Joseph L. Navickas

PI 534—Community and Law
(3 credits)

A discussion of the nature of law, its role and its basis in society and its purpose as a means in forming community. Various notions and aspects of law will be explored in view of showing its essential mutability.

First semester

Oliva Blanchette, S.J.

PI 571—Art and Science
(3 credits)

This course will explore possible relations between the humanities and the natural sciences. Special emphasis will be given to the shift from classical

to contemporary scientific theories of time and space and their artistic analogues. The course is experimental and students will be encouraged to work on personal projects.

First semester

Joseph F. Flanagan, S.J.

ELECTIVES

SECOND SEMESTER—1973

PI 154—The Heidegger Project II (3 credits)

Continuation of first semester. See PI 153.

Second semester

Thomas J. Owens

PI 161—Philosophy of Religion (3 credits)

The course will attempt to provide an interpretative framework for approaching the vast literature of the philosophy of religion by sketching a phenomenological typology of religious experience. Also, an analysis of the possibility of religious language in a secularized culture.

Second semester

Richard M. Stevens, S.J.

PI 166—Authority and Freedom (3 credits)

This course involves a reading and discussion of several classic works concerned with the problem of Liberty and Authority: Plato's *Republic*; Locke's *Second Treatise*; Mills' *Essay on Liberty*. Contemporary readings will include contribution of Maritain, J. C. Murray, and Louis Janssens.

Second semester

Joseph H. Casey, S.J.

PI 167—The Search for Being (3 credits)

The source, foundation, meaning and purpose of being. Various Monistic and Dialectic approaches. The attempt to intuit being through its courses.

Second semester

Joseph L. Barrett, S.J.

PI 198—Now and Zen (3 credits)

An empathetic and critical exploration into Zen Buddhism here and now: not as current fad nor as historical curiosity but as claim to answer a person's most basic questions: What is real? Who am I? and, How can I become fully real?

Second semester

Peter J. Kreeft

PI 210—Contemporary Marxism (3 credits)

A study of Marxism from its Hegelian origins, through Marx himself, and on into the contemporary scene.

Second semester

Frederick J. Adelman, S.J.

PI 253—Women's Liberation and the Problematics of Feminine Existence (3 credits)

In an attempt to understand the background of the Women's Liberation Movement, a philosophical and psychological investigation will be made to grasp the connections between woman's nature, how she manifests herself, and her modes of existence.

Second semester

Daniel J. Shine, S.J.

PI 264—Logic
(3 credits)

Logic as a formal science and art of valid deduction. Both traditional and symbolic approaches to correct thinking.

Second semester

Joseph L. Barrett, S.J.

PI 266—Practical Logic
(3 credits)

A study of the rules of correct reasoning together with their application to concrete cases.

Second semester

William J. Haggerty, Jr.

PI 275—Philosophy of Literature
(3 credits)

A non-systematic but rational exploration of basic philosophical themes such as self-identity, time, death, chance, duty, happiness, love, truth, God, freedom, and immortality in a few selected classics such as *The Lord of the Rings* and *The Brothers Karamazov*.

Second semester

Peter J. Kreeft

PI 280—Slavery and Freedom
(3 credits)

This is a book on CHRISTIAN PERSONALISM and it is a daily challenge to anyone interested in BECOMING a PERSON. For instance . . . "This is a philosophical book and it presupposes SPIRITUAL REFORM"—"Human personality is only human personality when it is divine-human personality." "Human personality is theandric existence."

Second semester

John D. Donoghue, S.J.

PI 299—Readings and Research
(3 credits)

By arrangement.

Second semester

The Department

PI 315—Aristotle
(3 credits)

Beginning with the emergence of a distinctive philosophical mode of inquiry among the Presocratics, this course will trace the growing challenge, especially as posed by the doctrines of Plato and Aristotle, to the "common sense" and literary conceptions of man and reality in the ancient Greek world. The content of the other important schools of philosophy will also be treated, as well as the development of Neo-Platonism in the Roman Empire. An attempt will be made to assess the role of wisdom in the ancient Greek world, as well as to indicate some ways in which this heritage is operative in the works of contemporary thinkers. This course will center on the writings of the Greek philosophers themselves, and some instruction in philosophical Greek will be given to enable the student to appreciate first hand how the Greeks formulated their own thoughts.

Second semester

Stuart B. Martin

PI 321 (CI 211)—Early and Middle Dialogues of Plato
(3 credits)

Reading (in translation) and discussion of the Dialogues and including to the *Republic*.

By arrangement.

Second semester

Joseph P. Maguire

PI 326 (CI 213)—The Young Aristotle
(3 credits)

Reading and discussion of the fragments in their relation to Plato and the Academy, on the one side, and, on the other, to Aristotle's own treatises on ethics, psychology, physics, and ontology.

By arrangement.

Second semester

Joseph P. Maguire

PI 360—Medieval Humanism
(3 credits)

An examination of the life, the times and the teachings of this famous 12th century medieval master.

Second semester

Norman J. Wells

PI 419—Kant and Hegel
(3 credits)

An analysis and comparison of the major themes in Kant and Hegel.

Second semester

Joseph L. Navickas

PI 421—Nietzsche—Prophet of Nihilism
(3 credits)

An introduction to the central ideas of this highly controversial philosopher. The standard interpretation of Nietzsche as the prophet of twentieth-century nihilism will be followed by an examination of the original and distinctive interpretation made by Heidegger.

Second semester

Jacques M. Taminiaux

PI 426—Three Existential Philosophers
(3 credits)

This course will expose and analyze the Existential Philosophies of three major thinkers in the field of Existentialism: Heidegger, Sartre, and Marcel. Lectures and discussions will be held on the major works of these men and student reports will be given on some of the significant works of these philosophers.

Second semester

John P. Rock, S.J.

PI 427—Existential Psychology
(3 credits)

This "Third Force" in psychology is not preoccupied with behavioristic structures and classical psychoanalytical theory. Influenced by the philosophies of existentialism, it is concerned with human potentialities such as love, self-actualization, ego-transcendence, liberty, responsibility, psychological health, etc.

Second semester

Daniel J. Shine, S.J.

PI 428—Contemporary Structuralism and Anthropology
(3 credits)

This course will consider the works of some of the contemporary structuralist thinkers, particularly the anthropology of Claude Levi-Strauss, and the relation of structuralist philosophy to phenomenology, psychology, and literature.

Second semester

Gerard C. O'Brien, S.J.

PI 440—Existential Humanism
(3 credits)

The existentialists have presented a dramatic picture of man's struggle for meaning in life in a technologically dominated society and in a nuclear age.

This picture will be examined in the essays and, above all, in the novels and plays of such authors as Kierkegaard, Jaspers, Marcel, Sartre, and Camus.
Second semester Richard T. Murphy

PI 503—Seminar in Marxism
(3 credits)

This course is to be composed of a selected group of students approved by the professor after a preliminary personal interview. Papers will be presented by the students on such topics as: Humanism and the Young Marx; Philosophy of Labor; Matter and Motion; Marx and Metaphysics.
Second semester Frederick J. Adelman, S.J.

PI 504—Marx and Social Philosophy Today
(3 credits)

This is a cooperative, experimental course which combines the specializations of various members of the Department in order to arrive at a synthetic view of where contemporary social philosophy is going. The course will deal with Hegel, Marx, Engels, dialectical materialism, neo-Marxism, and current efforts at authentic social theory.
Second semester The Department

PI 505—Man and History: Marx and Sartre
(3 credits)

The origins of Marx' notion of man in Hegel's Phenomenology. The development of Marxism anthropology through the main periods of his intellectual development. The Marxism of Sartre and its compatibility with his existentialism. How do Marx and Sartre score when judged against the overall background of doctrines on man as evolved in the department of Western thought? Do they provide a new anthropological departure for the "third world"?
Second semester Thomas J. Blakeley

PI 540—Education and Revolution
(3 credits)

A discussion of the origins of revolutionary action in the consciousness of oppression and in the effort to articulate common problems to be resolved by a community, and of the role of "educators" and "education" in fostering or frustrating this process. Readings will include Freire's *Pedagogy of the Oppressed*, Fanon's *The Wretched of the Earth*, Malcolm X's *Autobiography*, and others.
Second semester Oliva Blanchette, S.J.

PI 550—Perspectives on Social Economy
(3 credits)

A dialectical examination will be made of the rationality which informs social science, particularly sociology, on economics.
Second semester David M. Rasmussen

PI 580—A Structural Analysis of Myth and Symbol in Contemporary Cinema
(3 credits)

An attempt to apply the methodology of linguistic structuralism to the interpretation of mythico-symbolic expression in cinema.
Second semester Richard M. Stevens, S.J.

Faculty

Department of Philosophy

<i>Professors:</i>	Frederick J. Adelman, S.J., Thomas J. Blakeley, Thomas J. Owens, Jacques M. Taminiaux, Norman J. Wells.
<i>Associate Professors:</i>	Oliva Blanchette, S.J., Brian J. Cudahy, Joseph F. Flanagan, S.J. (<i>Chairman</i>), William J. Haggerty, Peter J. Kreeft, Stuart B. Martin, Richard T. Murphy, Joseph L. Navickas, David M. Rasmussen, John P. Rock, S.J., Daniel J. Shine, S.J.
<i>Assistant Professors:</i>	Joseph L. Barrett, S.J., Joseph H. Casey, S.J., John D. Donoghue, S.J., George R. Fuir, S.J., Thomas J. Loughran, Francis P. Molloy, S.J., Gerard C. O'Brien, S.J., Richard M. Stevens, S.J., Charles B. Toomey, S.J.
<i>Lecturer:</i>	Susan A. Salladay.

Department of Physics (Ph)

An asterisk (*) after a course title indicates that the course carries a laboratory fee.

Any physics course may be elected on a Pass/Fail basis in accordance with the regulations stipulated by the College and by the student's major department. The student declares how he wishes to be graded (pass/fail or letter grade) at the beginning of the semester.

A dagger (†) after a course number or title indicates the course is a one-credit mini-course, lasting about five weeks; these are brief courses on specific topics of interest. Any three mini-courses may be used to fulfill one semester of the College science core requirement.

Prerequisites stipulated for any course may be waived by permission of the physics department chairman.

GENERAL OFFERINGS

Ph 118—Physical Principles in Medical Technology and in the Delivery of Health Care (3 credits)

An examination of physical principles of instrumentation and practices commonly employed in medicine, such as fluid pumps, suction and drainage, temperature measurements, display instruments including graphic recorders and cathode ray tubes, electrocardiography and pacemakers, X-ray and nuclear radiation.

This course is open to upperclassmen specializing in Nursing and Pre-Medical programs, and to freshmen honor students in the School of Nursing.
Both semesters

Joseph H. Chen

Ph 121-122—Concepts in Physics I, II (3, 3 credits)

Especially designed for the nonscience major to acquaint him with the methods of science by means of a concentrated study of a particular area of physics. The course will include the development of several major physical concepts which underlie current space physics and astrophysics research and the

subsequent study of topics from this area. There are no mathematics requirements.

Two lecture-seminars per week. Recommended laboratory (optional): Ph 101-102.

M. Susan Gussenhoven

Ph 141-142—Techno-Scientific Perspectives I, II
(3, 3 credits)

A core science course primarily for nonscience majors involving a multidisciplinary viewpoint that crosses and recrosses the interface between technology and society. The unifying concepts revolve about energy—its forms, its sources, its availability, and its utilization. Emphasis is on the processes of science and how they relate to man and his environment. The current status of our ecological problems and the degree of their criticality will be examined in detail. There are no mathematics prerequisites.

Two lectures and one seminar per week.

George J. Goldsmith

Ph 151-152—General Physics I, II (Non-Calculus)
(3, 3 credits)

An introduction to classical and modern physics, the main emphasis being on fundamental principles.

Recommended laboratory (optional): Ph 101-102.

Francis McCaffrey

Ph 163—Introduction to the Principles and Techniques of Photography*
(3 credits)

This course is designed to provide students in the arts, sciences and humanities with a working knowledge of photographic techniques and of the use of photography as a medium for artistic expression. It covers the techniques for utilization of common photographic equipment and materials as well as photography's historical origins and physical fundamentals. Practical experience in darkroom procedures and in the utilization of various types of photographic apparatus is provided through laboratory exercises.

No previous background in science or math is required. Enrollment limited to 20 students. Two lectures and one laboratory period per week.

Both semesters

George J. Goldsmith

Ph 181-182—Physics for the Curious I, II
(3, 3 credits)

This course is designed to introduce the non-technically oriented student to physics. The most successful, trusted, and entrenched concepts in physics shall be studied to demonstrate the unity and scope of scientific laws. Applications will be made to the microcosm of atoms and elementary particles; to the description of the planets and the solar system; and to the super macrocosm of stellar media, quasars, pulsars, and cosmology. The connectives between physics and philosophy, science and society, and generally science and man will be broached. Films will be utilized and there is no mathematics prerequisite for this course.

Recommended laboratory (optional): Ph 101-102.

Robert L. Carovillano

Ph 191—Discoveries in Space
(1 credit)

In the past decade revolutionary discoveries have been made regarding the sun, moon, stars, and galaxies. The essence of these discoveries will be dis-

cussed and cosmological implications probed. Topics will include: the origin of the moon and planets; pulsars and quasars; thermonuclear explosions and star formation; space exploration.

Three hours per week for five weeks. No prerequisites.

First semester

Robert L. Carovillano

Ph 193—Concepts of Einstein's Relativity
(1 credit)

The empirical facts supporting Einstein's theories of relativity will be discussed and their implications on the nature of space and time contrasted with intuitive notions. There will be little mathematics used in the course beyond simple algebraic manipulations. Paradoxes and cosmological implications of relativity will be explored.

Three hours per week for five weeks.

First semester

Jack Jaffe

Ph 195—Physics for Musical Instruments
(1 credit)

Demonstrations and discussions of the physical principles used in the production of musical sounds.

Three lecture-laboratory periods per week for five weeks.

First semester

Robert F. Girvan

Ph 196—Science and Civilization in China
(1 credit)

A survey of the development of a view toward natural phenomena in a non-western civilization. The course will cover major aspects of Chinese science, and its relation to Chinese civilization generally, in the classic historical periods, from the Chou, through the Han, Tang, and Sung dynasties, up to current developments in the People's Republic. Comparisons will be made with western science and thought.

Three hours per week for five weeks. No mathematics or other prerequisites.

Second semester

Rein A. Uritam

Ph 198—Introduction to Information Theory
(1 credit)

Prerequisite: Introductory Calculus.

Introduction to the quantitative study of communication processes. How to define the quantity of information contained in a message. Sources of information and communication channels. The effect of the noise of a channel on the information carried by a message, coding and decoding of information for transmission over noisy channels.

Three hours per week for five weeks.

Second semester

Baldassare Di Bartolo

Ph 207—Electronics for the Uninitiated I
(1 credit)

This course is intended for non-science students who are interested in acquiring some knowledge of principles of operation of electric and electronic devices commonly encountered. Without going into theoretical analysis, the basics of household electricity and such electronic devices as radio, television, etc. will be discussed. In the laboratory the students will be encouraged to construct and evaluate simple electronic circuits.

Two lecture-laboratory periods per week for five weeks. No prerequisites.

First semester

Francis A. Liuima, S.J.

Ph 208—Electronics for the Uninitiated II
(1 credit)

Prerequisite: Ph 207.

Continuation of Ph 207. Two lecture-laboratory periods per week for five weeks.

Second semester

Francis A. Liuima, S.J.

Ph 209—Introduction to Electronics I
(1 credit)

Prerequisite: one year of physics and calculus.

Basic circuit theory. Vacuum tubes and solid state devices. Rectifiers and amplifiers. Amplifier circuit analysis. Principle of feed back and oscillators. Modulators and detectors. Electronic instruments and measurements. Class instruction material will be applied in the laboratory which will also serve as introduction to basic practical construction techniques.

Two lecture-laboratory periods per week for five weeks.

First semester

Francis A. Liuima, S.J.

Ph 210—Introduction to Electronics II
(1 credit)

Prerequisite: Ph 209.

Continuation of Ph 209. Two lecture-laboratory periods per week for five weeks.

Second semester

Francis A. Liuima, S.J.

Ph 211—Introduction to Physics I (Calculus)
(3 credits)

Prerequisite: Introductory Calculus (May be taken concurrently).

A thorough introduction to the principles and applications of classical mechanics, with free use of the calculus; introductory thermodynamics and kinetic theory of gases.

Three lectures and one scheduled recitation hour per week. Recommended laboratory (optional): Ph 203.

First semester

Robert L. Becker

Robert F. Girvan

Francis A. Liuima, S.J.

Frederick E. White

Ph 212—Introduction to Physics II (Calculus)
(3 credits)

Prerequisite: Introductory Calculus (May be taken concurrently) and Ph 211.

A study of the principles and applications of electricity and magnetism and quantum physics, with free use of the calculus; a selection of topics from optics and the electromagnetic theory of light.

Three lectures and one scheduled recitation hour per week. Recommended laboratory (optional): Ph 204.

Second semester

Robert L. Becker

Robert F. Girvan

Jack Jaffe

Francis A. Liuima, S.J.

Frederick E. White

Ph 267—Science and Western Civilization: the Changing World View
(3 credits)

An introductory course that examines ways in which man, throughout history, has tried to understand and explain natural phenomena. The history of

science will be covered, including topics such as Aristotle, the experimental method, the Enlightenment, the Industrial Revolution, evolution, the atomic age, the space age. Emphasis will also be placed on topics such as philosophic problems of science, the effects of science on society, science as a creative art, the abuses of science, the ability of science of today to deal with the problems of pollution, malnutrition, disease, alienation in industrial urban life. No mathematics prerequisite.

First semester

Rein A. Uritam

**Ph 278—The Art of the Scientist: A Quest for Understanding the
Physical Universe
(3 credits)**

The nature of physical theories, their philosophical foundations, and their evolution will be the major themes of this course. The basic concepts of Classical Mechanics, Field Theory, Relativity Theory, and Quantum Mechanics will be presented and developed as needed. The same will be true of the mathematical and philosophical aspects of the subject. The emphasis of the course will be on the art of the sciences rather than on their techniques. No specialized knowledge will be required to understand the course, which is open to all interested students.

Second semester

Solomon L. Schwebel

**Ph 281—War, Peace, and Science in the Atomic Age
(3 credits)**

A course that examines the interaction between science and technology and war and peace in the years since the 1930's. The development of the atomic bomb is discussed as the beginning of a new role of science in world affairs. An examination of the atomic era since 1945 will include topics such as: the effects of the bomb in current life and thought, the cold war and the arms race, channeling of science by the military, new weapons technology, strategic thinking. The last part of the course considers counter-military trends, disarmament, the peace movement, new social responsibility of science, the valid roles of science.

First semester

Rein A. Uritam

Robert F. Girvan

**Ph 288—Science and Theology
(3 credits)**

A study of the interrelationships existing between man and nature and God and nature, as conceived by the scientist and by the theologian. Scientific theories of the origin and continuing existence of the universe will be related to the nature and action of a Supreme Being on a material world. Coordination of physical and theological concepts will be achieved through the use of elementary logical and metaphysical principles.

Second semester

John H. Kinnier, S.J.

**Ph 293—Relativity*
(1 credit)**

Prerequisites: one year of physics and of calculus.

Starting from experimental facts, the laws governing the interdependence of space and time will be developed as first presented by Einstein. Contraction of length, dilation of time, causality and related topics will be dealt with in the context of the theory. Examples will be made to the energy mass restrictions on particle creation and dynamics; on the expanding universe; the bending of light; and other topics of interest or controversy.

Three hours per week for five weeks.

First semester

Jack Jaffe

Ph 499—Glass Blowing*
(1 credit)

An introduction to the fundamentals of glass blowing and glass working. The course is designed for science and non-science students since it teaches both scientific and artistic glass manipulation. The skills gained should allow the student to continue his interest in glass manipulation on his own.

Three hours per week for five weeks.

First semester

James Joiner

Ph 549—Modeling Techniques in Systems Analysis
(3 credits)

Prerequisite: an exposure to calculus.

This course will cover a diverse field of practical topics from a unified mathematical approach, based on the law of mass action and reaction kinetics. Examples of topics to be treated are: cell division kinetics (biology), population growth and control (demography), traffic flow (transportation), relaxation dispersion (physics), stability of the ecological system and distribution of resources (sociology).

First semester

Pao-Hsien Fang

LABORATORY OFFERINGS

Ph 101-102—Introductory Physics Laboratory I*, II*
(1, 1 credit)

A course which provides laboratory demonstration of physical principles and demands minimal use of mathematics in interpreting the results of experiments or demonstration experiments.

One two-hour laboratory period per week.

The Department

Ph 203-204—Introductory Physics Laboratory III*, IV*
(1, 1 credit)

A laboratory course which provides an opportunity to perform experiments on a wide range of topics in mechanics, electricity and magnetism, optics, acoustics, heat, and modern physics.

One two-hour laboratory period per week.

The Department

Ph 205-206—Introductory Physics Laboratory V*, VI*
(1, 1 credit)

A laboratory course which emphasizes quantitative analysis of experiments. Topics are taken primarily from fields of classical physics.

One two-hour laboratory period per week.

The Department

Ph 405-406—Physics Laboratory I*, II**
(1, 1 credit)

Laboratory and conferences. Experiments in mechanics, heat, electricity, and magnetism.

One laboratory period per week.

The Department

Ph 505-506—Experimental Physics I*, II*
(1, 1 credit)

Prerequisite: Ph 463-474, or the equivalent.

Laboratory and conferences. A selection of fundamental experiments from atomic, nuclear, and solid state physics.

One laboratory period per week.

The Department

Ph 535-536—Projects in Experimental Physics I*, II*
(3, 3 credits)

Prerequisite: permission of Chairman.

Individual research problems in atomic, nuclear, and solid state physics. Advanced studies in the application of contemporary techniques to experimental physics.

One lecture and two laboratory periods per week.

The Department

PRIMARILY FOR MAJORS

Ph 363—Waves and Oscillations
(3 credits)

Modes of oscillatory systems. Traveling waves in homogeneous media; superposition of harmonic waves. Emission and absorption of waves; polarization, interference and diffraction phenomena.

Three lectures and one recitation hour per week.

First semester

John H. Kinnier, S.J.

Ph 370—Solar Energy Physics
(3 credits)

Physical principles related to collecting, converting, and storing energy from solar radiation. Topics include availability of solar energy, emissivity and absorptivity of surfaces, transmission and absorption of radiant energy, various thermodynamic power cycles, and the photovoltaic cell.

Second semester

Robert F. Girvan

Ph 374—Quantum Physics
(3 credits)

Atoms and elementary particles; characteristics of atomic molecular and nuclear systems; quantum states and probability amplitude; wave mechanics; thermal properties of matter.

Three lectures and one recitation hour per week.

Second semester

Rein A. Uritam

Ph 382—Modern Optics
(3 credits)

An introduction to recent developments in this field; coherence theory, lasers, holography; optics of solids, optical instruments; optical information processing.

First semester

Robert L. Becker

Ph 463—Atomic Physics
(3 credits)

Alkali atoms; multielectron atoms, coupling of angular momentum; interaction of atomic states with static external and nuclear fields; electromagnetic transitions; lifetimes and transition rates; line and continuous X-ray spectra.

First semester

Gabor Kalman

Ph 474—Nuclear Physics
(3 credits)

Collision theory; nuclear reactions; the neutron; the deuteron; alpha decay; beta decay; high energy physics; the systematics of elementary particles.

Second semester

Robert L. Becker

Ph 506†—Pulsars and Quasars; New Vistas in Astronomy†
(1 credit)

The last decade produced a series of dramatic discoveries in Astronomy. This course will discuss in qualitative terms what we know about the newly discovered objects, and what they reveal about the nature and fate of our Universe.

Three hours per week for five weeks.

First semester

Gabor Kalman

Ph 561†—Phase Transitionst
(1 credit)

Phase transitions in vapor-liquid-solid system, ferroelectrics, ferromagnetics, and superconductors will be discussed. Laboratory discussions of some typical examples will be made. Similarities and dissimilarities of these various phase transitions will be outlined.

Three hours per week for five weeks.

Second semester

Pao-Hsien Fang

Ph 599—Readings and Research in Physics
(credits by arrangement)

By arrangement.

Both semesters

The Department

GRADUATE COURSE ELECTIVES

The following graduate course offerings are indicative of advanced courses that may be taken as electives with the approval of the Chairman.

Ph 711—Classical Mechanics
(3 credits)

Lagrange's and Hamilton's equations; principle of least action; invariance principles; rigid body motion; canonical transformations; Hamilton-Jacobi theory; special theory of relativity; small oscillations; continuous media.

First semester

Pradip M. Bakshi

Ph 732—Electromagnetic Theory I
(3 credits)

Physical basis for Maxwell's equations; electrostatics and magnetostatics; multiple moments; energy and momentum conservation for the electromagnetic field; wave phenomena; point charge motion in external fields.

Second semester

Jack Jaffe

Ph 741—Quantum Mechanics I
(3 credits)

Fundamental concepts; bound states and scattering theory; the Coulomb fields; perturbation theory; angular momentum and spin; symmetry and Pauli principle.

First semester

Joseph H. Chen

Ph 752†—Thermonuclear Fusion†
(1 credit)

Fusion energy as a practically unlimited source of energy, qualitative and quantitative description of the technical problems and present efforts to solve them.

Three hours per week for five weeks.

Second semester

Pradip M. Bakshi
Gabor Kalman

Ph 835—Mathematical Physics I
(3 credits)

Matrix algebra, linear vector spaces, orthogonal functions and expansions, boundary value problems, introduction to Green's functions.
First semester Solomon L. Schwebel

Ph 860—Plasma Physics
(3 credits)

Basic concepts of plasma physics; Debye length and plasma oscillations; ionized fluid flow equations; the hydromagnetic approximation; Alfven waves; selected applications of astrophysical and geophysical importance.
Second semester Gabor Kalman

Faculty

Department of Physics

<i>Professors:</i>	Robert L. Carovillano (<i>Chairman</i>), Dae-Hyun Chung†, Frederick E. White.
<i>Research Professors:</i>	Pao-Hsien Fang, Gabor Kalman.
<i>Adjunct Professor:</i>	Edmund H. Carnevale.
<i>Associate Professors:</i>	Robert L. Becker, Joseph H. Chen, Baldassare DiBartolo, George J. Goldsmith, Francis McCaffrey, Solomon L. Schwebel.
<i>Research Associate Professor:</i>	Pradip M. Bakshi.
<i>Adjunct Associate Professor:</i>	Robert H. Eather.
<i>Assistant Professors:</i>	Robert F. Girvan, M. Susan Gussenhoven, Jack Jaffe, John H. Kinnier, S.J., Francis A. Liuima, S.J., John J. Maguire*, Rein A. Uritam.

* On leave of absence, 1972-1973.

† Joint appointment with Department of Geology and Geophysics; Director, Weston Observatory.

Department of Political Science (Po)

INTRODUCTORY COURSES

Po 021-022—American Government
(3, 3 credits)

This course is an extended treatment of the essentials of American Government (national, state, and local), and of selected policy issues. Not open to those who have taken Po 031-032 except with departmental permission.
Both semesters Francis E. Devine
Charles J. Serns
Penny Feldman

Po 031-032—Fundamental Concepts of Political Science
(3, 3 credits)

This course introduces the student to the analysis of governmental systems. For non-majors.
Both semesters Jan Blits
Robert K. Woetzel

Po 041-042—Fundamental Concepts of Political Science
(3, 3 credits)

This course is similar in many respects to Political Science 031-032. Its subject matter is identical; its treatment is oriented toward majors. For majors only.

Both semesters

Gary P. Brazier
Edward S. Milenky
Robert E. Gilbert
David R. Manwaring
Marvin Rintala

Po 051—An Introduction to the Study of Politics
(3 credits)

This course introduces the student to some of the fundamental problems of political life, including justice, the aims and forms of government, and the nature of democracy. Readings will be drawn from the works of outstanding thinkers, poets and statesmen, and will include Aristotle's *Ethics* and *Politics*, several Shakespearean plays, Tocqueville's *Democracy in America*, and Orwell's *1984*. For non-majors only.

First semester

David Lowenthal

SPECIAL UNDERGRADUATE COURSES

Po 281 or 282—Individual Research in Political Science
(3 credits)

One semester of research under the supervision of a member of the department and culminating in a long paper or some equivalent. The permission of teacher desired must be solicited.

First or second semester

The Department

Po 285 or 286—Internship Program in Political Science
(6 credits)

Practical experience working at high levels of state and city government. Selection by competition each semester. (No grade given except by special arrangement.)

First or second semester

The Department

Po 291-292—Senior Honors Program in Political Science
(3, 3 credits)

A year of individual research, culminating in a thesis. For selected seniors. Time to be arranged jointly by each student and his advisor.

Both semesters

The Department

INTERDISCIPLINARY COURSE

Po 300—The Study of Urbanization and Urban Life
(3 credits)

An interdisciplinary course, led by a team of social scientists, which seeks to introduce the student to the questions, approaches, and analytical tools of the social sciences and other disciplines in the study of the process of urbanization, the nature of urban change, and the structure, conditions, consequences, and prospect of the concentration in political science. This course will not be credited toward the concentration in political science.

Offered 1973-1974

The Department

AMERICAN POLITICS

Po 301—American National Government (3 credits)

A course covering the essentials of American national government and politics, including the Presidency, Congress, Supreme Court and political parties.
Second semester Robert Scigliano

Po 304—The American Presidency (3 credits)

An analysis of the powers and prerogatives of the modern Presidency. Attention will be given to the impact of various Presidents upon the development of the Presidential Office. Trends in nominating and electoral politics will also be examined.
Second semester Robert E. Gilbert

Po 305—State and Local Government (3 credits)

Analysis of state constitutions; legislative, executive, and judicial organization and procedures; political parties, political interest groups and elections; state-local government relations; personnel, finance, and major functions.
First semester Gary P. Brazier

Po 307—The American Party System (3 credits)

This course presents a detailed analysis of the nature and functioning of American political parties and also examines pressure group politics in the United States.
First semester Robert E. Gilbert

Po 309—The Legislative Process (3 credits)

The study of the policy making process in American legislatures. The function of representation in our political system will be examined and attention given to the interaction of legislative bodies with interest groups, political parties and the Executive. While the course will focus on the U.S. Congress, comparative research material on state legislatures will also be utilized.
First semester Charles J. Serns

Po 311—Urban Politics (3 credits)

Analysis of political institutions, policy-making and administration of public programs in the major American cities, and of how city political systems have responded to the "urban crisis."
First semester Penny Feldman

Po 312—Domestic Programs of the Federal Government (3 credits)

A survey of the federal government's policy-making and administration in selected domestic programs.
Second semester Penny Feldman

Po 313-314—American Constitutional Law (3, 3 credits)

The evolution of the American Constitution through Supreme Court decisions is studied, with emphasis on such topics as judicial review, federalism, the national commerce power, due process of law, and civil liberties.
Both semesters David R. Manwaring

Po 319—National Security Policy
(3 credits)

An analysis of the diverse problems (technological, political, moral) of American national defense in the nuclear age.

First semester

Donald L. Hafner

Po 320—Legal Process
(3 credits)

By concentrating on specific legal problems, the course attempts to convey some insight into the nature of legal reasoning and the methods of legal development. Particular attention will be given to the role of the courts in initiating, directing and resisting social change. Materials will be drawn from both private and public law.

Second semester

Charles J. Serns

Po 350 (Seminar)—Problems of Public Policy
(3 credits)

A study of selected domestic problems of the United States and their various ramifications. Attention will be given both to substantive issues and governmental mechanisms. Juniors and Seniors only.

Second semester

Penny Feldman

Po 352 (Seminar)—Religion, the Courts and Congress: Law and Politics
(3 credits)

An examination of the relationship between church and state in America. Those students wishing to enroll in this seminar should see the instructor before registering.

Second semester

Charles J. Serns

Po 361 (Seminar)—Politics and Policies in Metropolitan Areas
(3 credits)

An investigation of the metropolis as a factor in the political system. Special consideration is given to public policies in such areas as education, welfare, law enforcement, and housing. Juniors and Seniors only.

Offered 1973-1974

The Department

COMPARATIVE POLITICS

Po 405-406—Comparative European Politics
(3, 3 credits)

A comparative analysis of political thought, action, and organization in the United Kingdom, France, Germany, Sweden, and Switzerland.

Both semesters

Marvin Rintala

Po 409—Soviet Political Institutions
(3 credits)

This course traces the history of the Soviet state through its phases under Lenin, Stalin, and Khrushchev. The contemporary Soviet political system will be analyzed, stressing the role of the Communist Party and the problem of totalitarianism. Considerable attention will be devoted to the problems of revolution, political construction, legitimacy in a modern industrial polity.

First semester

Donald S. Carlisle

Po 410—Comparative Political Studies
(3 credits)

A comparison of political cultures, institutions and processes drawing upon a variety of contemporary societies.

Second semester

Donald L. Hafner

Po 412—Comparative Urban Politics
(3 credits)

A comparison of selected American and non-American cities with respect to their structure and problems.

Second semester

Gary P. Brazier

Po 413—Crisis Politics: Violence, Revolution and War
(3 credits)

This course first explores theories (philosophical, anthropological and biological) regarding the roots of violence, revolution and war. It will then analyze selected historical episodes, including French, Russian and Chinese Revolutions, the Nazi experience, the Spanish Civil War, the Arab-Israeli conflict and "total war" in the twentieth century. Attention will also be given to recent examples of war and revolution and to violence in America.

First semester

Donald S. Carlisle

Po 414—The Government and Politics of East Central Europe
(3 credits)

This course analyzes the political developments of the countries of East Central Europe. Special emphasis is placed on the Communist seizure of power, the processes of Sovietization, and the relations among the Communist bloc countries.

Second semester

Peter S. H. Tang

Po 415—Chinese Political Institutions
(3 credits)

A survey of the ideological framework, historical development, organizational structure and operational techniques of contemporary Chinese political institutions. An analysis of the communist ideology, policies and instruments of power, including the Party, state, economic, social, military, and propaganda machines and such drives as the struggle against revisionism and the cultural revolution.

First semester

Peter S. H. Tang

Po 416—Politics and Literature: The Russian Experience
(3 credits)

This course will deal with the role of the intellectual, especially the writer, in Russian history. The interaction of Russian culture and Russian politics will be stressed. Muscovy, the Tsarist and Soviet periods will be examined. Major focus in the course will be in the emergence and transformation, as well as the dilemmas, of the Russian intelligentsia as reflected in literature and the arts. Some of the individuals who will be dealt with are: Bakunin, Dostoevsky, Tolstoy, Gorky, Trotsky, Zamiatin, Eisenstein, Pasternak and Solzhenitsyn.

Second semester

Donald S. Carlisle

Po 418—Government and Politics of Latin America
(3 credits)

An introduction to the political culture, behavior, and institutions of Latin America. The approach is that of cross-national analysis, supplemented with case studies of a small number of political systems.

Second semester

Edward S. Milenky

Po 451 (Seminar)—Problems of Political Development: Latin America
(3 credits)

An exploration of selected institutional and behavioral problems related to nation-building and modernization with examples taken from Latin America.

Juniors and seniors only.

First semester

Edward S. Milenky

Po 462 (Seminar)—Parties and Party Systems
(3 credits)

An attempt to define the concepts of party and of party system and to differentiate among different types of parties and of party systems in selected modern political systems in Western Europe. Juniors and Seniors only.
Second semester

Marvin Rintala

INTERNATIONAL POLITICS

Po 501—International Relations and Organizations
(3 credits)

The nation-state system, its principles of operation and the bases of national power and policy are examined.

First semester

Edward S. Milenky

Po 503—International Politics of Europe: World War II to the Present
(3 credits)

A study of the main international problems of European powers in recent decades.

First semester

Donald L. Hafner

Po 515—American Foreign Policy
(3 credits)

An examination of major patterns of United States foreign policy, with emphasis on the twentieth century. Contemporary problems of foreign policy, e.g., Cuba, Berlin, and Vietnam, will be treated in the context of international affairs, with special reference to area factors, and the relation of the United States to international organization.

First semester

Robert K. Woetzel

Po 506—Soviet Foreign Policy
(3 credits)

In this course Soviet international behavior will be treated in terms of three sectors: (1) policy toward the West, (2) policy regarding non-Communist underdeveloped countries, (3) policy toward other Communist states and non-ruling Communist parties. Topics such as the Comintern, "Socialism in One Country," the Soviet Bloc, the Cold War, Peaceful Coexistence, and Polycentrism, as well as other contemporary international problems will be considered.

Second semester

Donald S. Carlisle

Po 507—International Communist Movement
(3 credits)

A survey of the theory and practice of the world communist movement as advocated and promoted by Marx, Engels, Lenin, Stalin, Mao and Castro. An examination of the political, economic, social, and cultural transformation of the communist countries, as well as the evolution and struggle of the communist parties. An inquiry into the prospects of the communist movement.

First semester

Peter S. H. Tang

Po 508—Sino-Soviet Relations
(3 credits)

A study of the background and development of political, economic, strategic, social, and cultural relations between Russia and China, especially in the light of their changed regimes. Emphases are given to ideological issues be-

tween the Soviet and Chinese Communist Parties and the impact of their current disputes on the world.
Second semester Peter S. H. Tang

Po 510—Comparative Foreign Policies
(3 credits)

An examination of the foreign policies of major powers of the mid-twentieth century, including Britain, France, the USSR, and Communist China, on problems of relevance to the United States, e.g., European security, peace in the Far East, and the development of less industrialized countries. Special reference will be made to the policies of the developing nations as they affect the peace and security of the world.
Second semester Robert K. Woetzel

POLITICAL THEORY

Po 605—Fundamentals of Classical Political Theory
(3 credits)

The course begins by examining the Socratic revolution in philosophic thought which gave birth to political philosophy and then concentrates on the classic presentation of political philosophy by Aristotle in his *Ethics* and *Politics*.
First semester Jan Blits

Po 606—Foundations of Modern Society
(3 credits)

An introductory consideration of the leading theories of justice, the state, and society since Machiavelli. Readings will be drawn from the treatises, plays, and novels of Machiavelli, Hobbes, Locke, Rousseau, Hegel, Marx, Mill and Nietzsche, with special attention to the origins of modern political regimes.
Second semester Jan Blits

Po 609—American Political and Social Thought
(3 credits)

A study of the political and social views most influential in the American Republic at its inception, during its development, and now. Readings will be drawn from Benjamin Franklin, Thomas Jefferson, Madison, Marshall, Lincoln, Wilson, Roosevelt, Lippman, C. Wright Mills, Buckley, Reich, and such black leaders as Frederick Douglass, Booker T. Washington, W. E. B. DuBois and Malcolm X.
First semester Robert K. Faulkner

Po 611—Nature and Politics
(3 credits)

The course will examine the relationship between nature and politics in several types of philosophies. Positions to be considered will be drawn from among: the natural right of Aristotle, the natural law of the Stoics or Aquinas, the natural rights of Locke, the romanticism of Rousseau, the historicism of Emerson or Sumner, and the positivism of Comte.
First semester Francis E. Devine

Po 614—The Behavioral Study of Politics
(3 credits)

An introduction to the philosophy, techniques and accomplishment (empirical and theoretical) of the behavioral approach in political science.
Second semester Donald L. Hafner

Po 618—The Philosophy of Law
(3 credits)

This course will investigate the meaning, purpose, and moral status of law, through a study of works of major political philosophers, and both classic and contemporary works of jurisprudence. Attention will be paid to various schools of legal thought: national right, natural law, positivism, liberalism, idealism, historicism, and utilitarianism. Readings will be selected from among the works of Aquinas, Aristotle, Austin, Bentham, Devlin, Hart, Hegel, Hobbes, Kant, Kelsen, Locke, Pollock, and Simon.

Second semester

Francis E. Devine

Po 650 (Seminar)—Nineteenth Century British Political Thought
(3 credits)

This seminar will examine the nineteenth century British political philosophies of Utilitarianism, Liberalism, Idealism, and Historicism. Emphasis will vary with the composition and interests of the class. Required readings will be selected from among the works of Bradley, Bosanquet, Carlyle, Darwin, Hazlitt, Green, Macaulay, Mill, and Spencer. In addition, individual work may be done on any of a wide range of political thinkers. Open to undergraduates who have had at least one previous course in political theory. Juniors and Seniors only.

Second semester

Francis E. Devine

Po 651 (Seminar)—Shakespeare's Political Wisdom
(3 credits)

A seminar on Shakespeare's understanding of political life and its various forms as found in *Othello*, *The Merchant of Venice*, *Coriolanus*, *Julius Caesar*, *Henry V* and *Richard III* and other plays. Juniors and Seniors only.

First semester

David Lowenthal

Po 660 (Seminar)—The Thought of Mao Tse-Tung
(3 credits)

An analysis of Mao Tse-tung's political, economic, social, cultural, and military philosophy in his adaptation to and development of Marxism-Leninism for class struggle and world revolution, with emphasis on its theoretical formulations and limitations as well as its application at home and influence abroad. Juniors and Seniors only.

Second semester

Peter S. H. Tang

Po 661 (Seminar)—Psychology and Ethics
(3 credits)

A study of the relation between human nature and what is morally and politically good. Some attention to Freud's *The Ego and the Id* will be given, but the course will concentrate on a close consideration of Aristotle's *On the Soul* and portions of the *Rhetoric* and *Nicomachean Ethics*. Juniors and Seniors only.

First semester

Robert K. Faulkner

Faculty

Department of Political Science

Professors: David Lowenthal (*Chairman*)**, Marvin Rintala, Robert Scigliano*, Peter S. H. Tang, Robert K. Woetzel.
Associate Professors: Gary P. Brazier, Donald S. Carlisle, Robert K. Faulkner, David R. Manwaring.

Assistant Professors: Christopher J. Bruell***, Francis E. Devine, Robert E. Gilbert, Donald L. Hafner, Edward S. Milenky, Charles J. Serns.

Instructors: Penny Feldman, Jan Blits.

* Sabbatical, fall term, 1972.

** Sabbatical, spring term, 1973.

*** On leave of absence, 1972-1973.

Department of Psychology (Ps)

The Psychology Department attempts to:

1. Prepare well qualified majors for graduate education in any of the areas within the field;
2. Provide requisite psychological knowledge for students preparing for a profession in a related field;
3. Introduce any student who may so desire to the basic concepts and principles of psychology.

Majors in Psychology are required to complete 24 credits or 8 courses, to include two semesters of introductory, Psychological Statistics and a Methods course, taken in that order. The other 4 courses may be selected by the student, but it is suggested that he discuss career plans with a faculty member as a basis for that selection. In addition to these 24 credits in Psychology, majors are required to take one year of mathematics and one year of laboratory science; Biology is the preferred course, but Chemistry or Physics may be taken.

Courses 073; 073,01; and 074; 074,01 are open to and required of Psychology Majors; 045, 047, 030, 032, 048 and 050 are open to non-Majors; there are Level I courses. All advanced (100 and above) require the student to have taken at least one Level I course.

Ps 030—Intro-Techniques of Behavior Control (3 credits)

Review of theory and techniques of human behavior control. Topics include: conditioning and habit control, brainwashing, hypnosis, biofeedback, lie detection, group dynamics, propaganda, behavior therapy, drugs, and electrical stimulation of the brain.

Second semester

Daniel Baer

Ps 032—Intro-Behavior in the Human Community (3 credits)

A lecture course assuming no background in Psychology, this course will approach behavior at the community level and will consider the interaction of individual psychological forces with social and institutional forces, particularly those that produce various kinds of social inequality.

Second semester

To be announced

Ps 045—Intro-Psychological Views of Man (3 credits)

Investigation of the dominant psychological views of man—Psychoanalytic, Behaviorist, and Existential-Humanist—as they define personality and deviance. An effort will also be made to explore the historical evolution of social conditions which gave rise to each of these schools and to discuss their implications for further social change.

First semester

Ramsay Liem

Ps 047—Intro-Social Structure & Behavior
(3 credits)

The impact of socioeconomic conditions and cultural factors on individual and group behavior in Western and non-Western societies.

First semester

Ali Banuazizi

Ps 048—Intro-Human Nature and Mental Health
(3 credits)

An exploration of various theories of human personality, with particular emphasis on existentialism and humanistic psychology. Approaches to psychotherapy and related areas will also be discussed.

Second semester

Edward Reynolds

Ps 050—Intro-Idea of Insanity
(3 credits)

A lecture course, suitable for persons with no previous background in Psychology. An overview of the widely differing concepts of emotional disorder in human society; the different notions of causation, from possession by the Devil to possession by the Id; genetic, moral, social and medical views of the phenomenon of disordered behavior and of the appropriate methods of treating such behavior. Historical, literary, sociological, and psychiatric, as well as psychological material will be reviewed.

Second semester

William Ryan

Ps 073—Intro-Majors Experimental
(3 credits)

This course will cover such areas as learning, experimental psychology, statistics and methodology.

First semester

Daniel Baer

Ps 073,01—Intro-Majors Experimental
(3 credits)

This course will cover such areas as learning, experimental psychology, statistics and methodology.

First semester

Peter Gray

Ps 074—Intro-Majors Social
(3 credits)

An introduction to psychology as a behavioral science, both theoretical and applied. Considers such topics as child development, personality, social psychology, abnormal behavior and mental health.

Second semester

Donna Canavan

Ps 074,01—Intro-Majors Social
(3 credits)

An introduction to psychology as a behavioral science, both theoretical and applied. Considers such topics as child development, personality, social psychology, abnormal behavior and mental health.

Second semester

Donna Canavan

Ps 101—Personality Theories
(3 credits)

A basic and intensive course on the contribution of theoretical, clinical and experimental work to the understanding of character and personality, with emphasis on the psychodynamic frame of reference.

Both semesters

John von Felsinger

Ps 131—Social Psychology
(3 credits)

A study of the individual and his social context, beginning with the social behavior of animals and including human functioning in small groups, in society and in cross-cultural perspective. Attitudes, motives and social perception will be emphasized.

Second semester

To be announced

Ps 133—Humanistic Psychology
(3 credits)

Explores the major theorists in humanistic psychology. The second part of the course will examine applications of humanistic theory to psychotherapy, education, religion and community development.

Both semesters

Edward Reynolds

Ps 136—Developmental Psychology
(3 credits)

General psychological issues as they relate to the developing organism: heredity and environment, effects of maternal deprivation and separation, personality formation and growth, the development of intelligence, and cross-cultural methods of child rearing will be considered.

First semester

Dorothy Lekarczyk

Ps 139—Abnormal Psychology
(3 credits)

Beginning with divergent contemporary views of the meaning of "abnormal" in today's world, this course will systematically explore the body of theory and data relevant to the understanding of maladaptive human process. The varieties of abnormal experience and behavior will be discussed and an overview of current approaches to the resolution of the problem of psychopathology will be offered.

Both semesters

Edward Reynolds
Ramsey Liem

Ps 144—Learning
(3 credits)

An analysis of contemporary learning theories as they relate to basic problems in learning. Some laboratory work will be involved.

Second semester

Dorothy Lekarczyk

Ps 145—Psychology of Social Movements
(3 credits)

A systematic examination of psychological factors influencing the appear, effectiveness and durability of collectivities in organization identifiable in social movements. Particular attention will be given to analysis of specific, historical and contemporary movements ranging from nazism to Gay Liberation.

First semester

James Riley

Ps 146—Psychology of Ideology
(3 credits)

The role of ideology as a psychological production will be examined, with special emphasis on the nature and consequences of ideological thinking in the life of the individual. Philosophical, sociological and psychological perspectives will be compared.

Second semester

James Riley

**Ps 150—Physiological
(3 credits)**

A study of the physiological correlates of human behavior; the structures and functions of the organism, receptors, nervous system, and effectors; and the physiological basis of the emotions and the perceptual process.

Second semester

Peter Gray

**Ps 152—Seminar in Problems of Physiological Psychology
(3 credits)**

The study of basic processes of the human brain will include intelligence, speech and memory, motivation and emotion, attention and arousal, sleep and dreams, and biofeedback. The study of computers in brain wave research will include experimental demonstrations and visits to laboratories.

First semester

Joseph Tecce

**Ps 153,01—Research Methods
(3 credits)**

Basic issues in research design and analysis will be discussed. Attention will be devoted to survey research as well as laboratory and field experimentation. Some experience with key punching, card sorting, and computer analysis of data will be provided, employing data collected by students, if time permits.

First semester

Norman Berkowitz

**Ps 153,02—Research Methods
(3 credits)**

Basic issues in research design and analysis will be discussed. Attention will be devoted to survey research as well as laboratory and field experimentation. Some experience with key punching, card sorting, and computer analysis of data will be provided, employing data collected by students, if time permits.

First semester

To be announced

**Ps 154—Experimental Psychology
(3 credits)**

Prerequisite: Ps 190.

An introduction to the principles and methods of experimental psychology, with laboratory investigation of selected topics from the areas of sensation and perception.

Two lectures and two laboratory periods per week for one semester.

Second semester

Peter Gray

**Ps 156—Theory and Research in Group Dynamics
(3 credits)**

This course is composed of a weekly two hour laboratory session and a one hour lecture. In the laboratory students participate in a wide range of scientific experiments. Data are collected, shared and compared to those in the research literature. Theoretical explanations are examined to determine their adequacy in accounting for the systematic data and subjective experiences generated in the laboratory. Reading paralleling the experiments are discussed in the lecture. Substantive material includes social facilitation, interpersonal attraction, group goals, pressures toward conformity, norms, reference groups, decision making, conflict, and communication. Approximately four brief papers and a final exam are required.

Second semester

Norman Berkowitz

Ps 160—Experimental Communities
(3 credits)

An appraisal of pavlovian theory, including physiological constructs. Relevance to present learning theory and application to human behavior is stressed.
Second semester Joseph Cautela

Ps 178—Psychology of Social Class
(3 credits)

A seminar focusing on the behavioral and psychological consequences of structured inequality in society; topics will include the problem of defining and measuring stratification, correlates of social class position, social mobility, and the theoretical consequences of reducing or eliminating inequalities in wealth, power, and social status.
Second semester William Ryan

Ps 190—Statistics
(3 credits)

Elementary statistics including treatment of descriptive statistics, elementary principles of probability and sampling, introduction to statistical estimation and testing, simple correlation, and regression.

Two lectures and a two-hour laboratory each week.
Both semesters Daniel Baer

Ps 201—Field Research Methods
(3 credits)

A first course in methods for Psychology majors, designed to train students in the application of the scientific method to questions of human behavior, the design and conduct of psychological research with particular emphasis on non-laboratory techniques, such as field investigation, evaluation research and surveys.
First semester To be announced

Ps 204—Experimental Social Psychology
(3 credits)

Prerequisite: course in Research Methods or Experimental.
The primary emphasis is on student originated and conducted research. Classes will focus on issues in theoretical formulations, design, methodology and analysis which arise in the course of the ongoing studies. Frequent student presentation of such matters will be expected. Readings will be determined by the needs of the particular investigations. A final report will constitute the major basis for grading. Only students who have time and the desire to conduct research should register. Admission by consent of instructor.
Second semester Norman Berkowitz

Ps 209—Clinical Psychology
(3 credits)

The theory and practice of clinical psychology with special attention to the current practices, professionals and institutions comprising the mental health field.

Each student will be expected to devote some time to volunteer work in a caretaking institution.
First semester John von Felsinger

Ps 215—History and Systems of Psychology
(3 credits)

Survey of psychological thought from Grecian and Medieval backgrounds to the present; systematic consideration of major theoretical trends in contemporary psychology.

First semester

Ali Banuazizi

Ps 250—Psychology and Social Problems
(3 credits)

Analysis of contemporary social problems from a social-psychological perspective: mental health, urban education, ethnic relations, poverty, and violence. Consideration of the role of psychology in interdisciplinary studies of social problems and social change.

Second semester

Ali Banuazizi

Ps 251—Seminar in Community Mental Health
(3 credits)

An investigation of the Community Mental Health movement as a social movement. The focus will be both what community mental health is today and what forces, economic, political, and social, gave rise to its development.

First semester

Ramsay Liem

Ps 262—Seminar in Psychopathology
(3 credits)

A comprehensive analysis of a chosen area in psychopathology yielding implications at the institutional and caretaking level.

Second semester

John von Felsinger

Ps 266—Seminar in Self-Esteem
(3 credits)

The course will focus on socializing techniques which lead to the development of stable, positive self-esteem, and also on the personality correlates and behavioral consequences of various levels of self-esteem. The relevant research and theoretical literature will be emphasized. Students will be expected to carry out a research project related to some aspect of self-esteem, for which faculty supervision will be provided.

First semester

Donna Canavan

Ps 268—Seminar in Social Interaction
(3 credits)

This course will examine selected theories of social interaction and their application to the behavior of persons in dyads and groups. Class sessions will be divided between seminar discussions and modified T-groups. The seminar discussions will deal especially with conceptual issues in attribution theory and social perception. The T-groups will aim to develop skills in naturalistic observation and to increase awareness of the impact on social interaction of varieties of individual behaviors, roles, and social memberships. Theories considered in the seminar will be tested where possible against the actual interactions of class members.

Second semester

Murray Horwitz

Ps 269—Seminar in Community Psychology
(3 credits)

Considers the history and present status of this new field of Psychology; examines the theoretical contributions of Psychology to the solution of com-

community problems and the kinds of professional practice developing in this area.
First semester To be announced

Ps 277—Origins of Modern Social Class Systems
(3 credits)

This course will examine changes in social organization since the middle ages that have produced contemporary forms of social class structure. The interrelationships of economic, political, social, and psychological factors in the organization of production and power will be considered in viewing the different forms of social inequality.

First semester Marc Fried

Ps 291,01—Seminar in College Teaching
(3 credits)

Designed to provide undergraduate students with teaching experience. Students staff discussion sections and are responsible for aiding Introductory Psychology Professors in planning demonstrations and grading examinations.

Open to Junior and Senior majors only and by permission.

First semester Daniel Baer

Ps 291,02—Seminar in College Teaching
(3 credits)

Designed to provide undergraduate students with teaching experience. Students staff discussion sections and are responsible for aiding Introductory Psychology Professors in planning demonstrations and grading examinations.

Open to Junior and Senior majors only and by permission.

First semester To be announced

Ps 292—Seminar in College Teaching
(3 credits)

Designed to provide undergraduate students with teaching experience. Students staff discussion sections and are responsible for aiding Introductory Psychology Professors in planning demonstrations and grading examinations.

Open to Junior and Senior majors only and by permission.

Second semester Donnah Canavan

Ps 295-296—Directed Research
(3 credits)

By arrangement. Work may be supervised, original research or significant participation in the research of faculty members.

Both semesters The Department

Ps 297-298—Readings and Research
(3 credits)

By arrangement. Psychology 295 and 296 offers a student the opportunity to work independently under the supervision of a faculty member of his choice within the department.

Both semesters respectively The Department

Ps 610—Behavior Modification
(3 credits)

An examination of how human behavior is modified in social settings. Particular attention is paid to modeling, as well as overt and covert factors influencing the modification of human behavior.

Second semester Joseph Cautela

Ps 615—Intergroup Conflict
(3 credits)

The nature and etiology of conflict between groups, ranging from face-to-face groups to nations. An examination of theoretical contributions to this question from various fields of psychology and an intensive analysis of research in this field.

First semester

Murray Horwitz

Ps 618—Computer Methods in the Behavioral Sciences
(3 credits)

Prerequisite: one semester statistics course recommended.

Lectures, demonstrations and implementation of programs using the IBM 370 computer. Languages covered include Basic and Fortran IV. Several software statistical packages such as ISR, SPSS, PSTAT, SSP, and the Boston College Statistical Package will be examined in detail.

Second semester

Daniel Baer

Ps 620—Clinical Assessment
(3 credits)

Theory and practice relative to the assessment and evaluation of personality structure and dynamics with emphasis on the role of interview and projective techniques.

Second semester

John von Felsinger

Ps 640—Individual and Society
(3 credits)

This seminar will develop the conceptual basis for understanding processes of differentiation, integration, and change in personality and social organization. Particular attention will be devoted to independent research by course participants on problems of alienation in mass society and on forms of compensatory gratification in social affiliations, work, and community.

Second semester

Marc Fried

Ps 666—Simulation Models in Behavioral Research
(3 credits)

This seminar will review the literature on mathematical and computer simulations of complex social processes, with special emphasis on those occurring in educational settings. Working on small teams students will produce a simulation system of some complex process. One year statistics and an understanding of FORTRAN are welcome but not essential background.

Second semester

Ronald Nuttall

Ps 667—Introduction to Multivariate Statistical Analysis
(3 credits)

Prerequisite: one year of statistics or the equivalent.

Topics include multivariate distributions, correlation, regression, canonical correlation, discriminant function, and principal components analysis. Laboratory exercises include computer analysis of multivariate data.

First semester

Ronald Nuttall

Ps 668—Topics in Multivariate Statistical Analysis
(3 credits)

Prerequisite: Ps 667 or equivalent.

Multivariate analysis of variance, factor analysis and rotation, and model building are among the advanced multivariate statistical topics dealt with. A professional-level paper using multivariate procedures will be written.

Second semester

Ronald Nuttall

Faculty

Department of Psychology

Professors: Joseph R. Cautela*, Mark A. Fried, Murray Horwitz, William Ryan, John M. von Felsinger.
Associate Professors: Daniel J. Baer, Norman H. Berkowitz, Ali Banuazizi.
Assistant Professors: Donna Canavan, Sandra E. Geer, Peter Gray, Edward Krupat, Dorothy T. Lekarczyk, Edward Reynolds, Ramsey Liem.

* On Sabbatical, Fall Semester, 1972.

Department of Romance Languages and Literatures (RI)

FRENCH (RL)

RI 1-2—Elementary French (3, 3 credits)

An introduction to the study of French. This course begins with development of some of the fundamental skills: reading ability, aural comprehension and controlled oral expression. Class instruction is supplemented by optional laboratory work.

James Flagg

RI 51-52—Intermediate French (3, 3 credits)

Prerequisite: RI 1-2 or its equivalent.

The prime object of this course is to consolidate previous language study into a functional body of knowledge. A review of the elements of French will be supplemented with the reading of selected texts, oral practice and optional laboratory work.

James Flagg

RI 101-102—Composition, Conversation and Reading (3, 3 credits)

Prerequisite: three to four years of solid high school preparation, two years of college preparation or Fr 31-32.

Note: This course is not open to those who have taken Fr 61-62 or Fr 71-72.

This course offers a review of syntax and grammar. Selected contemporary masterpieces will be used to develop further skill in comprehension, conversation and composition.

Monique Fol

RI 303—French Phonetics and Applied Linguistics (3 credits)

A practical introduction to French applied linguistics: pronunciation, sentence structure and word classes. The course is designed to help the student improve his command of spoken French and to develop his awareness of how the French language functions. Classwork and individual exercises will be supplemented by laboratory work. The course is particularly recommended for future teachers of French.

First semester

Rebecca M. Valette

RI 304—Advanced French Conversation
(3 credits)

This course is designed to give advanced students and prospective teachers of French a greater facility in the spoken language. An introduction to descriptive phonetics is integrated with exercises of pronunciation and intonation. Aural comprehension and fluency of expression will be developed through group discussion, individual exposés, taped interviews and literary recordings. This course is recommended for all students who plan to teach French.
Second semester Rebecca M. Valette

RI 305-306—Advanced Composition and Introduction to Literary Analysis
(3, 3 credits)

The purpose of this course is to strengthen the student's mastery of French syntax and difficult grammatical problems, so that he may express himself correctly and accurately in expository writing. Students will be introduced to techniques of close literary analysis. This is a required course for French majors. Conducted in French.

Jacqueline Enos

RI 307-308—Survey of French Literature
(3, 3 credits)

Prerequisite: four years of solid high school preparation or two years of college.

An introduction to the study of French literature. Selected texts from the Middle Ages to the 20th century will be analyzed against the background of historical events and European literary movements. This is a required course for French majors, open also to other qualified students with superior linguistic preparation. This course is a prerequisite for all advanced literature courses. Conducted in French.

Betty Rahv

RI 309-310—Cultural Background of French Literature
(3, 3 credits)

This course intends to review the development of ideas with particular emphasis on social structures and political institutions from the Middle Ages to the 20th century in order to place selected literary works in their historical and social perspective and to show to what degree French literature is a social testimony. May be taken concurrently with RI 307-308. Conducted in French.

Monique Fol

RI 411-412—French Literature of the Middle Ages
(3, 3 credits)

The origin and development of literary genres in France: *chansons de geste*, lyric poetry, novels of love, chivalry and adventure, religious drama and comedy. Study of the masterpieces. New directions, realism and satire, modern trends in literature, from the beginning of the Hundred Years' War to the dawn of the Renaissance. Conducted in French.

Normand R. Cartier

RI 421-422—The Renaissance in France
(3, 3 credits)

A study of the historical, philosophical and literary movements which molded the French Renaissance. Selections from Marot, Rabelais, Marguerite de Navarre, the poets of the Pléiade, Agrippa d'Aubigné, Montaigne and others, will

be read as reflections of humanistic ideals, wars of religion, and the search for the Good Life in the sixteenth century. Conducted in French.

Betty Rahv

RI 431-432—Seventeenth Century Literature
(3, 3 credits)

A study of the classical literature of the age. Works of philosophers and moralists such as Descartes, Pascal, La Rochefoucauld, La Bruyère, and plays of Corneille, Racine and Molière will be given particular attention. Conducted in French.

Joseph Figurito

RI 441-442—French Literature of the Eighteenth Century
(3, 3 credits)

The first semester will focus on the ideas of the “philosophes” such as Montesquieu, Voltaire, Diderot and Rousseau. The second will concentrate on the novel and theatre. It will include such writers as Prévost, Marivaux, Beaumarchais and Laclos. Conducted in French.

Vera G. Lee

RI 451-452—Romanticism and Realism in French Literature
(3, 3 credits)

A study of these currents in French poetry, drama and narrative literature of the nineteenth century with detailed analysis of the masterpieces. Conducted in French.

Norman Araujo

RI 455-456—The Symbolist Movement in French Literature
(3, 3 credits)

The origins of symbolism, its masters and the characteristics of their poetry. Selected texts from Baudelaire, Verlaine, Rimbaud, Mallarmé, Régnier, Laforgue and others will be analyzed. Conducted in French.

Georges Zayed

RI 461-462—French Literature of the Twentieth Century
(3, 3 credits)

An analysis of literary trends in France, from World War I to the present. Novels, plays and essays of significant writers will be read as reflections of the human condition and of the problems of man in our times. Conducted in French.

Joseph D. Gauthier, S.J.

ITALIAN (RI)

RI 3-4—Elementary Italian
(3, 3 credits)

An introduction to the study of Italian. This course begins the development of some of the fundamental skills: reading ability, aural comprehension and controlled oral expression. Class instruction is supplemented by optional laboratory work.

Antonio C. Mastrobuono

RI 53-54—Intermediate Italian
(3, 3 credits)

Prerequisite: RI 3-4 or its equivalent.

The prime object of this course is to consolidate previous language study into a functional body of knowledge. A review of the elements of Italian

will be supplemented with the reading of selected texts, oral practice and optional laboratory work.

Antonio C. Mastrobuono

RI 103-104—Composition, Conversation, and Reading
(3, 3 credits)

Prerequisite: three to four years of solid high school preparation, two years of college or It 31-32.

Note: This course is not open to those who have taken It 61-62 or It 71-72.

This course offers a review of syntax and grammar. Selected contemporary masterpieces will be used to develop further skill in comprehension, conversation and composition.

Antonio C. Mastrobuono

RI 317-318—Survey of Italian Literature
(3, 3 credits)

Prerequisite: four years of solid high school preparation or two years of college.

An introduction to the study of Italian literature. Masterpieces from the Middle Ages to the 20th century will be analyzed against the background of historical events and European literary movements. This is a required course for Italian majors, open also to other qualified students with superior linguistic preparation. Conducted in Italian.

Antonio C. Mastrobuono

RI 319-320—Cultural Background of Italian Literature
(3, 3 credits)

The cultural and artistic achievements of the Italian nation from the Middle Ages to the present day and their relation to the major trends and developments in Italian literature. While this course may be taken as an elective by all students, it may also be counted toward an Italian major. Conducted in English.

Antonio C. Mastrobuono

PORTUGUESE (RI)

RI 31-32—Intensive Introduction to Portuguese
(3, 3 credits)

An intensive course for language majors who wish to take Portuguese as an additional foreign language. Fundamental elements of Portuguese will be assimilated rapidly. The course includes reading and discussion of selected texts. Qualified students who are not language majors and who possess a working knowledge of another foreign language may be admitted by permission of the Instructor.

Norman Araujo

RI 61-62—Conversational Portuguese
(3, 3 credits)

The course is designed to improve the student's linguistic abilities. Classroom discussion and oral reports are based on literary and nonliterary readings. Conducted in Portuguese.

To be announced

RUMANIAN (RI)

RI 33-34—Intensive Introduction to Rumanian (3, 3 credits)

This is a course for beginners. It stresses developing simultaneously the fundamental skills: reading ability, aural comprehension, oral and written self-expression. Classwork will be supplemented by laboratory drill.

To be announced

RI 63-64—Intermediate Rumanian (3, 3 credits)

This course is designed to consolidate the first-year study of Rumanian through review of the basic elements of grammar and syntax, and to develop the student's language proficiency through close reading of selected texts, oral practice and written composition.

To be announced

SPANISH (RI)

RI 5-6—Elementary Spanish (3, 3 credits)

An introduction to the study of Spanish. This course begins with development of some of the fundamental skills: reading ability, aural comprehension and controlled oral expression. Class instruction is supplemented by optional laboratory work.

The Department

RI 55-56—Intermediate Spanish (3, 3 credits)

Prerequisite: RI 5-6 or its equivalent.

The prime object of this course is to consolidate previous language study into a functional body of knowledge. A review of the elements of Spanish will be supplemented with the reading of selected texts, oral practice and optional laboratory work.

The Department

RI 105-106—Composition, Conversation, and Reading (3, 3 credits)

Prerequisite: three to four years of solid high school preparation, two years of college preparation or Sp 31-32.

This course offers a review of syntax and grammar. Selected contemporary masterpieces will be used to develop further skill in comprehension, conversation and composition.

J. Enrique Ojeda

RI 323—Spanish Phonetics and Applied Linguistics (3 credits)

A practical introduction to Spanish applied linguistics: pronunciation, sentence structure, and word classes. The course is designed to help the student improve his command of spoken Spanish and to develop his awareness of how the Spanish language functions. Classwork and individual exercises will be supplemented by laboratory work. The course is particularly recommended for future teachers of Spanish.

First semester

Diane Beth Hyman

RI 324—Advanced Conversation
(3 credits)

This course is designed to give advanced students and prospective teachers of Spanish a greater facility in the spoken language. An introduction to descriptive phonetics is integrated with exercises of pronunciation and intonation. Aural comprehension and fluency of expression will be developed through group discussion, individual exposés, taped interviews and literary recordings. This course is recommended for all students who plan to teach Spanish.

Second semester

Diane Beth Hyman

RI 325-326—Advanced Composition and Introduction to Literary Analysis
(3, 3 credits)

The purpose of this course is to strengthen the student's mastery of Spanish syntax and difficult grammatical problems so that he may express himself correctly and accurately in expository writing. Students will be introduced to techniques of close literary analysis. Not for graduate credit. Conducted in Spanish.

J. Enrique Ojeda

RI 327-328—Survey of Spanish Literature
(3, 3 credits)

Prerequisite: four years of solid high school preparation or two years of college.

An introduction to the study of Spanish literature. Selected texts from the Middle Ages to the 20th century will be analyzed against the background of historical events and European literary movements. This is a required course for Spanish majors open also to other qualified students with superior linguistic preparation. Conducted in Spanish.

Diane Beth Hyman

RI 329-330—Cultural Background of Spanish Literature
(3, 3 credits)

The cultural and artistic achievements of the Spanish speaking nations from the Middle Ages to the present day and their relation to the major trends and developments in Spanish and Spanish American literature. Conducted in Spanish.

Diane Beth Hyman

RI 631-632—Literature of the Golden Age
(3, 3 credits)

A study of the major authors and their works with extensive required reading. Conducted in Spanish.

Ernest A. Siciliano

RI 661-662—Spanish Literature of the Twentieth Century
(3, 3 credits)

A study of the generation of '98 and the *Modernista* movement, as well as the post-Civil War novel, theatre and poetry. Representative writers will include Unamuno, Baroja, Azorín, Machado, Benavente, Jiménez, Lorca, Casona, Cela and others. Conducted in Spanish.

Robert L. Sheehan

RI 671-672—Spanish American Literature
(3, 3 credits)

Survey of the development of literary genres in Hispanic America. Foreign influences and *criollismo*. Various types of novels: the struggle of man

against the jungle or the *pampa*, of Indian against the white man, of man against society. The Spanish-American conscience as expressed by essayists and poets. Conducted in Spanish.

Guillermo L. Guitarte

ROMANCE LITERATURE COURSES OFFERED IN ENGLISH (RI)

RI 319-320—Cultural Background of Italian Literature
(3, 3 credits)

The cultural and artistic achievements of the Italian nation from the Middle Ages to the present day and their relation to the major trends and developments in Italian literature. While this course may be taken as an elective by all students, it may also be counted towards an Italian major. Conducted in English.

Antonio C. Mastrobuono

RI 354—Cervantes and “Don Quijote”
(3 credits)

A study of the man and his principal work. Conducted in English.
Second semester

Ernest A. Siciliano

RI 357-358—Contemporary Latin-American Literature
(3, 3 credits)

The course is an introduction to the contemporary Latin-American novel, poetry, drama and essay. Among the writers to be studied are the Nobel Prize winners—Mistral, Asturias and Neruda—as well as Vallejo, Carpentier, Borges, Fuentes, Paz and Rulfo. The class will be conducted in English.

Gene Kupferschmid

RI 366—Literature of Existentialism
(3 credits)

The Theatre of Sartre: a study of eight plays. *The Flies*, *No Exit*, *The Victors*, *The Respectful Prostitute*, *Dirty Hands*, *The Devil and the Good God*, *Nekrassov*, the *Condemned of Altona*. Conducted in English.

First semester

Joseph D. Gauthier, S.J.

RI 368—Calderón and the “Auto Sacramental”
(3 credits)

Calderón's life and contribution to the Spanish theatre. The history of the important *auto sacramental*. Conducted in English.

Ernest A. Siciliano

RI 372—Contemporary French Theater
(3 credits)

French drama and stage production from Cocteau to the present time. Special attention will be given to the plays of Sartre, Camus and the contemporary “Theater of the Absurd”, including the works of Ionesco and Beckett. Conducted in English.

Second semester

Vera G. Lee

RI 391-392—Dante: the “Divine Comedy”
(3, 3 credits)

This course is designed to give the student an understanding of Dante and his times. The *Divine Comedy* in translation will be analyzed in the light of its political, religious and literary significance. Conducted in English.

Joseph Figurito

RI 393—Boccaccio in English
(3 credits)

A study of Boccaccio, the man, reflected in his works. Particular attention will be given to the *Decamerone* as the universal opus embodying the known world and criticism of his time, which closes the Medieval Period. Conducted in English.

Second semester

Joseph Figurito

Faculty

Department of Romance Languages and Literatures

<i>Professors:</i>	Normand R. Cartier, Joseph D. Gauthier, S.J., Guillermo L. Guitarte, Ernest A. Siciliano, Maria L. Simonelli, Georges Zayed.
<i>Associate Professors:</i>	Norman Araujo, Joseph Figurito, Vera G. Lee, J. Enrique Ojeda (<i>Chairman</i>), Robert L. Sheehan, Rebecca M. Vallette.
<i>Assistant Professors:</i>	Jacqueline Enos, Diane Beth Hyman, Betty Rahv.
<i>Instructors:</i>	Monique Fol, Paul Kardos, Hans Lorentzen, Antonio Mastrobuono, Richard Santerre.
<i>Lecturer:</i>	James Flagg, <i>Assistant to the Chairman, Language Coordinator, Director of the Junior Year Abroad Program, Director of National and International fellowships.</i>
<i>Teaching Fellows:</i>	Alice Denise Benjamin, Nora Galli, Louise Leblanc, Susan Polansky, George Sartori.
<i>Graduate Assistants:</i>	Susan Castro, Pietro Frassica, Linda Govone, Nanci Grat-tan, Carol Miller, Gilda S. Timmel.
<i>University Fellow:</i>	Maria Pilar Frade.

Department of Slavic and Eastern Languages (SI)

The Department of Slavic and Eastern Languages administers courses in the following areas:

- I. General Linguistics: SI 202, 206-207, 311-314, 325-328, 392, 792, also Th 690.
- II. Comparative Literature: SI 211, 313, 329.
- III. Slavic Languages and Literatures
 - A. Slavic Linguistics: SI 315-317, 322-324, 394, 794.
 - B. Russian Language and Literature: SI 001-006, 011-014, 051-056, 201, 203-205, 208-209, 303-310, 318-322, 390-391, 790-791.
- IV. Oriental Languages and Literatures
 - A. Arabic: SI 007-008.
 - B. Chinese: SI 009-010, 015, 210, 393.

For additional instruction in Oriental languages cf. also SI 314, 327-328 as well as courses in Biblical and Modern Hebrew offered through the Department of Theology.

In accordance with a new University-wide uniform system, courses numbered from 000 to 299 are intended primarily for undergraduates; courses numbered from 300 to 699 are open to graduate students and to qualified undergraduates; courses above 700 are intended primarily for graduate students, although well-qualified seniors may also be admitted.

SI 001-002—Russian Language and Culture I/II
(3, 3 credits)

The aim of this course is twofold; to impart a thorough structural knowledge of all of the major points of Russian grammar, and to provide the student with a background in the main currents of Russian literature, music, and art. Bilingual readings, inductively approached, serve as a prime source of explication. Offered biennially, 1973-1974

SI 003-004—Elementary Russian I/II
(4, 4 credits)

This is a course for beginners which stresses thorough training in Russian grammar, accompanied by suitable reading exercises and elementary composition. Students desiring an even more intensive study of elementary Russian should elect SI 011-012 in conjunction with this course.

Michael J. Connolly

SI 007-008—Introduction to Arabic I/II
(3, 3 credits)

An introduction to the study of literary Arabic. The course is designed to develop simultaneously the fundamental skills: reading ability, aural comprehension, oral and written self-expression. Exercises in pronunciation, grammar and conversation. Class work will be supplemented by laboratory drill.

Samir F. Ibrahim

SI 009-010—Elementary Mandarin Chinese I/II
(6, 6 credits)

An intensive introduction to the modern Chinese literary language: speaking, reading, writing and comprehension. Six classroom hours per week with additional language laboratory and section drills.

Wang Ching-yun
Ting Yueh-hung

SI 011-012—Russian Practicum: Elementary I/II
(3, 3 credits)

Exercises and readings provided in connection with SI 003-004 to strengthen fundamental Russian grammar and vocabulary and to aid in the acquisition of the spoken language.

Mary L. Philippides

SI 013-014—Elementary Russian Conversation I/II
(0, 0 credits)

Conversational practice on topics from everyday life for students beginning the study of Russian.

Vera Taranovski

SI 015—Conversational Mandarin
(3 credits)

The rudiments of Chinese grammar, including pronunciation, *pinyin* romanization, and practice with everyday conversational phrases for students with little or no knowledge of the language.

Second semester

Wang Ching-yun

SI 051-052—Intermediate Russian I/II
(3, 3 credits)

The reading of selected Russian texts and a review of the major points of Russian grammar causing the most difficulty for speakers of English.

Vera Taranovski

SI 053-054—Intermediate Intensive Russian I/II
(6, 6 credits)

Prerequisite: At least one year of Russian and consent of the instructor.

This course is designed, through intensive training in oral usage and analysis of texts, to allow the student an adequate independent mastery of the language: listening comprehension, verbal proficiency, and composition. The basis of the work is the original prose of Russian writers of moderate difficulty.

Arshalouis A. Simeonian

SI 055-056—Advanced Russian Conversation I/II
(0, 0 credits)

Conversational practice on current events for students already having a fundamental knowledge of Russian grammar.

Vera Taranovski

SI 201—The Culture and Literature of Medieval Russia
(3 credits)

A historical account of early Russian literature from the 11th to the 18th century. Includes a reading of the Igor-tale, selections from the chronicles, hagiography, and tales from the 16th and 17th centuries. The survey of the literature will be supplemented by a review of the development of Russian material and spiritual culture from the pre-Kievan period to the time of Peter the Great. As time allows, the course also covers Russian folk-art and music. Lectures and readings in English.

Offered biennially, 1973-1974

SI 202—The Structural Nature of Signs
(3 credits)

A study of semiotic systems in language, linguistic philosophy, literature, and conceptual arts; the general role which the human ability to create and employ signs performs in the effective coding of thought expression as specified in linguistic theory; signs as compressed language and as language surrogates.

Offered triennially, 1974 1975

Lawrence G. Jones

SI 203—Survey of 19th-Century Russian Literature
(3 credits)

The major representatives of Russian literature in the period from Pushkin to Chekov. The novel dominates the readings of the semester with occasional shorter works introduced to demonstrate the ethical or moral preoccupation of the individual author. Included in the readings are *Hero of Our Times*, *Dead Souls*, *The Brothers Karamazov*, *The Enchanted Wanderer*, and the stories of Chekov. Lectures and readings in English.

Irina Agushi

SI 204—Survey of 20th-Century Russian Literature
(3 credits)

Readings, critical analysis, and discussion of the works of the most representative Soviet *émigré* writers and poets from Maksim Gorkij to Aleksandr Solzhenicyn and the recent Soviet clandestine press. Lectures and readings in English.

First semester

Irina Agushi

SI 205—Tolstoy and Dostoevsky
(3 credits)

A comparative presentation of Russia's two major writers. Their different perception of reality, their views on art, civilization, Christian ethics, etc. are

discussed in connection with their principal novels. Lectures and readings in English.

Second semester

Irina Agushi

SI 206—Society, Language and Communication
(3 credits)

Problems and studies in linguistic science presented for students of neighboring disciplines; modern theories of sound, form and meaning; the nature of language and linguistic structures; linguistic and cultural change. Original language-oriented research is an essential part of the course.

Second semester

Offered triennially, 1972-1973

Michael J. Connolly

SI 207—Language and Liturgy
(3 credits)

Prerequisite: consent of the Instructor.

An examination of pertinent topics involving linguistic as well as non-verbal symbolism in liturgical and poetic-religious contexts including translation, hymnography, liturgical reform and experimentation, the evaluation of liturgical form, and the unique linguistic problems of Eastern Churches in the West. Some individual research is required.

Offered triennially, 1973-1974

Michael J. Connolly

SI 208-209—Advanced Russian I/II
(3, 3 credits)

Prerequisite: a thorough knowledge of Russian grammar.

A complete review of Russian grammar with abundant exercises; intensive practice in reading and correct expository composition. Conducted in Russian.

Arshalouis A. Simeonian

SI 210—Literature and Modern China
(3 credits)

A general survey of social, cultural, and political changes in modern China as reflected in Chinese and Western literature. Special attention is given to the role of tradition, the influence of foreign powers, forces leading to radical ideology, and the drastic social transformation after the 1949 revolution. Lectures and readings in English.

First semester

Ting Yueh-hung

SI 211—Beyond Liberal Consciousness in Scandinavian Literature
(3 credits)

A thematic study of major works by Scandinavian authors such as Kierkegaard, Ibsen, Strindberg, Hamsun, and Lagerkvist with special attention also to their continuing influence upon Western literary culture. Lectures and readings in English.

First semester

Brita Stendahl

SI 303-304—Applied Russian Style I/II
(3, 3 credits)

Effective composition in various genres and modes of expression on original themes; the stylistic analysis of Russian literary, journalistic, and technical texts. Conducted in Russian.

Arshalouis A. Simeonian

SI 305—History of the Russian Literary Languages
(3 credits)

Prerequisite: a thorough knowledge of Russian.

The ways in which words and stylistic norms have been used in successive periods of Russian literature from the *Slovo o polku Igoreve* through Pushkin and the Russian classics to the modern Soviet era. Selected readings will form the basis of lectures and analyses, and a major research paper will be required. Offered biennially, 1973-1974

Lawrence G. Jones

SI 306—Russian Literary Research
(3 credits)

Prerequisite: a thorough knowledge of Russian.

The general problems involved with the research of Russian literature. Bibliographies, reference texts, dictionaries, journals, and an understanding of the writing about Russian literature from various viewpoints: the chronicler, historian, theorist, critic and scholar. Supplementary topics will be selected by the instructor. Lectures, discussion, exercises.

Second semester

Patrick J. Wreath

SI 307—Russian Drama
(3 credits)

A close study of selected works in this genre from Fonvizin through Tolstoj, Chexov, Blok and Majakovskij to the modern theatre. The structure of the drama and the techniques of the romantic and the realist will be examined. Conducted in Russian.

First semester

Offered biennially, 1973-1974

Irina Agushi

SI 308—Dostoevskij and Tolstoj
(3 credits)

A study and analysis of the realist novel as it appears in the works of two of Russia's most influential writers. Readings and selected criticism. Conducted in Russian.

Offered biennially, 1973-1974

Irina Agushi

SI 309—Seminar in 19th-Century Russian Poetry
(3 credits)

Intensive study of the structure, thematic trends and personalities expressed in 19th-century Russian poetry.

First semester

Lawrence G. Jones

SI 310—Seminar in 20th-Century Russian Poetry
(3 credits)

Intensive study of developments in Russian poetry from the Symbolist period through current Soviet poetry, and, to a certain extent, *émigré* Russian poetry.

Second semester

Lawrence G. Jones

SI 311—General Linguistics
(3 credits)

An introduction to the history and techniques of the scientific study of language in its structures and operations.

First semester

Michael J. Connolly

SI 312—The Indo-European Languages
(3 credits)

An introduction to the techniques for a comparative-historical study of the phonology, grammar and etymology of the classical Indo-European languages. Second semester
Offered triennially, 1974-1975

Michael J. Connolly

SI 313—Structural Poetics
(3 credits)

An application of the theory and techniques of structural linguistics to the analysis and formal criticism of poetic and symbolic language. Selected poetry from the European and American traditions will serve as the subject matter. Individual research of an original nature will also be required. Offered triennially, 1974-1975

Lawrence G. Jones

SI 314—Old Persian & Avestan
(3 credits)

Seminar in ancient languages, I. The language of the Achemenid cuneiform inscriptions and the related earlier eastern dialect of the Zoroastrian Zend-Avesta. Second semester
Offered triennially, 1974-1975

Michael J. Connolly

SI 315—The Czech Language
(3 credits)

A structural sketch of the major grammatical and phonological features of Czech and its relation to Slovak. Inductive reading will serve to supplement lecture materials. Offered biennially, 1973-1974

Lawrence G. Jones

SI 316—Old Church Slavonic
(3 credits)

The origins and developments of the Slavic languages; the linguistic structure of Old Church Slavonic and its relation to modern Slavic languages illustrated through readings in Old Church Slavonic texts. First semester

Michael J. Connolly

SI 317—Old Russian
(3 credits)

Prerequisite: SI 316 or its equivalent.
An intensive study of the grammar of Old Russian and an introduction to readings in the literature of Russia from the Kievan period on. The philology of Old Russian texts. Second semester

Jadranka Santen

SI 318—Style in Russian Literature
(3 credits)

A study of Russian abstract expression and a familiarization with the subtleties of syntax, vocabulary, and style in literary genres through extensive analytic reading in Russian classics and imitative composition. Conducted in Russian. First semester

Irina Agushi

SI 319—Russian Poetry
(3 credits)

The history of Russian poetry from the 18th century through the Futurist and Symbolist movements to poetry of the contemporary scene. The purpose of the course is to acquaint the student with the critical problems related to the study of poetry including structure, imagery, and theme. Individual works are analyzed for their intrinsic values as well as for their reflection of particular problems related to a historical period. Conducted in Russian.

First semester

Offered biennially, 1972-1973

Irina Agushi

SI 320—Pushkin and Gogol'
(3 credits)

Close reading of the major works of Pushkin and Gogol' as well as related works of Lermontov. Individual literary techniques and styles are studied along with the background of Russian romanticism and the transition of Russian realism. Conducted in Russian.

Second semester

Irina Agushi

SI 321—Turgenev and his Contemporaries
(3 credits)

The aesthetic and ideological values of Turgenev's works; Turgenev's role in literary circles of the mid-19th century in Russia and abroad. Students also explore writings of the period (e.g., Goncharov and Ostrovskij) for their polemical and ideological content. Conducted in Russian.

Second semester

Offered biennially, 1972-1973

Irina Agushi

SI 322—Structure and History of Russian
(3 credits)

Prerequisite: A knowledge of Russian grammar.

An introduction to specific topics in the linguistic analysis of the modern literary language.

Second semester

Offered biennially, 1972-1973

Michael J. Connolly

SI 324—The Serbocroatian Language
(3 credits)

A structural sketch of the major grammatical and phonological features of Serbocroatian, the principal literary language of Yugoslavia. The relationship of Serbocroatian to Slovenian will also be explored. Inductive reading will serve to supplement lecture materials.

Second semester

Offered biennially, 1972-1973

Jadranka Santen

SI 325—Historical Linguistics
(3 credits)

Prerequisite: SI 311 or its equivalent is recommended.

The study of the phenomenon of language change; linguistic affinities and the methods for projecting earlier stages of language groups: comparative and internal reconstruction.

Second semester

Offered triennially, 1973-1974

Michael J. Connolly

**SI 327—Sanskrit
(3 credits)**

Seminar in ancient languages, II. The grammar of the classical language of India, supplemented through reading selections from the classical literature and an introductory study of comparative Indo-Iranian linguistics.

Second semester

Offered triennially, 1972-1973

Michael J. Connolly

**SI 328—Classical Armenian
(3 credits)**

Seminar in ancient languages, III. A grammatical analysis of Armenian *grabar*, the classical literary language current from the fifth century A.D. Sample readings from the Classical Armenian scriptural, patristic, liturgical, and historical texts.

Second semester

Offered triennially, 1973-1974

Michael J. Connolly

**SI 329—Comparative Literature
(3 credits)**

A study of contemporary approaches to literature as literature from critical and also from sociological, political, psychological, and philosophical viewpoints; the material is demonstrated on various texts from the texts themselves.

Second semester

Brita Stendahl

**SI 390—Tutorial: Russian Language
(3 credits)**

By arrangement.

Both semesters

Arshalouis A. Simeonian
Irina Agushi

**SI 391—Tutorial: Russian Literature
(3 credits)**

By arrangement.

Both semesters

Irina Agushi

**SI 392—Tutorial: General Linguistics
(3 credits)**

By arrangement.

Both semesters

Michael J. Connolly
Lawrence G. Jones

**SI 393—Tutorial: Mandarin Chinese
(3 credits)**

By arrangement.

Both semesters

Wang Ching-yun
Ting Yueh-hung

**SI 394—Tutorial; Slavic Linguistics
(3 credits)**

By arrangement.

Both semesters

Lawrence G. Jones
Michael J. Connolly

**SI 791—Russian Literature: Reading and Research
(3 credits)**

By arrangement.

Both semesters

Irina Agushi
Lawrence G. Jones

SI 792—Linguistics: Reading and Research
(3 credits)

By arrangement.
Both semesters

Michael J. Connolly
Lawrence G. Jones

SI 794—Slavic Linguistics: Reading and Research
(3 credits)

By arrangement.
Both semesters

Lawrence G. Jones
Michael J. Connolly

Faculty

Department of Slavic and Eastern Languages

<i>Professor:</i>	Lawrence G. Jones*.
<i>Associate Professor:</i>	Irina Agushi.
<i>Assistant Professor:</i>	Michael J. Connolly (<i>Chairman</i>).
<i>Adjunct</i>	
<i>Assistant Professor:</i>	Patrick J. Wreath.
<i>Senior Lecturer:</i>	Arshalouis A. Simeonian.
<i>Lecturers:</i>	Samir F. Ibrahim, Brita Stendahl, Vera Taranovski, Ting Yueh-hung, Wang Ching-yun.
<i>Visiting</i>	
<i>Assistant Professor:</i>	Jadranka Santen.
<i>Teaching Fellow:</i>	Mary L. Philippides.

* On leave, 1972-1973.

Department of Sociology (Sc)

Sc 001—Introductory Sociology
(3 credits)

A survey of the field of sociology.

Sc 001 or Sc 010 is a prerequisite for all other courses offered except

Sc 003.

Both semesters

The Department

Sc 002—Introductory Discussion Group
(3 credits)

Both semesters

The Department

Sc 003—Introductory Anthropology
(3 credits)

A review of the history of the field, beginning with Durkheim and covering the British and American schools of research. Emphasis will be on ethnographies and the cross-cultural method.

First semester

Jeanne Guillemin

Sc 004—Anthropology Discussion Group

First semester

Jeanne Guillemin

Sc 005—Urban Society
(3 credits)

First semester

Martin Lowenthal

Sc 010—Sociological Analysis
(3 credits)

An advanced introductory course to be taken by all beginning majors instead of Sociology 001.

First semester

Lynda L. Holmstrom
William C. Yoels

Sc 030—Deviant Behavior
(3 credits)

A sociological inquiry into the causes and consequences of certain types of deviancy; alcoholism, drug addiction, suicide, and mental and emotional disorders.

Both semesters

Robert G. Williams

Sc 122—Criminology
(3 credits)

An introduction to crime and the criminal society. The nature of crime and of criminal acts; the volume and social cost of crime; theories of crime "causation"; the relationship between social control of criminals and of other forms of deviance. The approach includes the vertical thrust of history and comparisons with cultures other than our own.

Class time will be divided between lectures and discussion.

First semester

Benedict S. Alper

Sc 123—Juvenile Delinquency and the Children's Court
(3 credits)

The etiology of delinquency; the history of the juvenile court and correctional process; the Gault decision and its implications; evaluation, prediction, and prevention.

Students will observe a juvenile court session and visit institutions.

First semester

Benedict S. Alper

Sc 125—Introductory Penology
(3 credits)

The history of punishment and corrections; present dealing with the incarcerated offender; controversial issues relating to other components of the criminal justice system—police and courts. Visits will be arranged to Massachusetts adult correctional institutions.

Second semester

James Isenberg

Sc 140—Minority Group Relations in the United States
(3 credits)

A systematic analysis of racial and cultural minority relations, with special reference to the situation in the United States.

First semester

Seymour Leventman

Sc 142—North American Indians
(3 credits)

Variations in tribal culture according to geographical "culture areas" will be covered in detail. The history of Indian-white relationships from colonial times to the present day appearance of the "City Indian" will be considered.

Second semester

Jeanne Guillemin

Sc 146—Multi-Racial and Multi-Ethnic Societies
(3 credits)

Comparative study (cultural, ethnic, religious) in various parts of the world, but with emphasis on North America. Their structures; problems and con-

flicts of personal identity; relations among people of various categories.

Second semester

Everett C. Hughes

Sc 160—Sociology of Literature
(3 credits)

A "brand" of the Sociology of Knowledge, this course will analyze prose-fiction as a reflection of a society's values and social structure whether on its censorship (e.g., Burroughs, Solzhenitsyn) or its approval (e.g., Shakespeare, Fairy Tales, Mysteries). An introduction rather than an in-depth study of one subject area we will discuss sex roles, alternative societies, evil and the supernatural, and some views of Jesus Christ.

First semester

Patricia Gadban

Sc 161—Sociology of Art Forms
(3 credits)

First semester

Jeanne Guillemine

Sc 162—Sociology of the Family
(3 credits)

A systematic study of comparative family systems, theories of family organization, familial roles and functions, and family change and crisis.

First semester

Robert G. Williams

Sc 163—Values in Health and Welfare
(3 credits)

A multidisciplinary critique of health delivery as a system in the U.S. A primary objective will be the development of critical modes of thinking as a way to understand and influence social change.

The course is open to all interested, although concurrent participation in a Pulse field project is strongly recommended.

First semester

Kay Broschart

Sc 165—Industrial Sociology
(3 credits)

Characteristics and assumptions of modern industrial societies; social roles of workers, technicians, management and owners and informal groups; social organization in industry.

Second semester

Robert G. Williams

Sc 170—American Social Structure
(3 credits)

An examination of the changing relationships between major American social institutions (state, economy, family, religion, education) in response to the forces of modernization and the changing character of group life in America as a mass society.

Second semester

Seymour Leventman

Sc 172—Social Structure and Power Elites
(3 credits)

An analysis of the relevance of social class and power to social order in America, starting with a contrast between the Marxist and Parsonian frameworks for societal analysis; the work of Mills, Lenski, Dahrendorf, the functionalists, and the democratic pluralists; the proletarianization of white collar occupations, the new working class, the role of the state, racism, and education as a work force stratifier and socializer; related issues.

First semester

John B. Williamson

Sc 173—The Kibbutz
(3 credits)

Prerequisite: consent of the Instructors.

A study of the structure and processes of this mode of communal life including its Socialist and Zionist ideological bases. Selected aspects of the system, such as child-rearing, education, the economy and polity, will be examined.

First semester

Michael A. Malec
Mr. Louis Gitlin

Sc 175—Urban Society
(3 credits)

An examination of the theories of development of urban society. Special focus given to (1) the ecology of urban growth, (2) social organization patterns within the city, (3) urban political governance, and (4) the potential role of social research and social planning for improving urban social movements.

Second semester

Martin Lowenthal

Sc 185—Interaction in Everyday Life
(3 credits)

An analysis of various social interaction and social role theories and their relationship to the investigation of the organized routines of everyday practices of the members of the society; verbal and non-verbal interaction; issues such as authority and power, conflict, trust, privacy, embarrassment and the like, in everyday life.

First semester

David A. Karp

Sc 190—African Social Change
(3 credits)

An examination of selected processes of change occurring in tropical African societies and of the interrelationships among those processes. Among topics to be covered are urbanization and urban life-styles, changes in village life, rural-urban linkages, stratification and the rise of new classes and elites, changes in the character of the economy and their consequences, and a brief consideration of the problems of development in a neocolonial context.

First semester

Joseph T. Bivins

Sc 200 Statistics
(3 credits)

An introduction to descriptive and inferential statistics. Topics include: measures of centrality and dispersion; association and correlation; probability and hypothesis testing.

Both semesters

Michael A. Malec
Dorothy Walker

Sc 210—Methods of Social Research
(3 credits)

Prerequisite: Sc 200 or equivalent.

Theory and method in social research; research designs and techniques; exercises in selected research procedures.

First semester

Severyn T. Bruyn

Second semester

William C. Yoels

Sc 211—Field Research Methods
(3 credits)

Emphasis on the nature and problems of observational field work in sociology; the collection, retrieval and interpretation of observational data; the

relationship between observational field work and data gathering techniques. Students will be expected to work on individual field projects.
Second semester David A. Karp

Sc 215—Sociological Theory
(3 credits)

The development of theory from the beginning of the 19th century to the present.
First semester Severyn T. Bruyn
Second semester William C. Yoels

Sc 299—Reading and Research
(3 credits)

Both semesters The Department

Sc 319—Sociology of Knowledge
(3 credits)

An examination of the interrelationships between thought and social structure, including such topics as types of consciousness, social influences on individual belief systems, nature and determinants of class and generational consciousness; the role of ideas and beliefs in sustaining existing social orders or in contributing to social change.
Second semester Joseph T. Bivins

Sc 390—Comparative African Political Economy and Development
(3 credits)

An attempt to create a deeper understanding of process of social and economic change and development by comparing two African nations, Nigeria and Tanzania. A systematic analysis of social structure, political institutions, composition and structure of present-day economies, existing natural and social resources, constraints and problem areas, strategies of development.
Second semester Joseph T. Bivins

Sc 466—Economy and Society
(3 credits)

The application of modern sociological research and theory to the study of economic systems.
First semester Severyn T. Bruyn

Sc 467—Community Economics
(3 credits)

Prerequisite: consent of instructor.
A course designed to conduct social research on selected problems within the economy reflected at the community level.
First semester Severyn T. Bruyn

Sc 473—Sociology and Public Policy
(3 credits)

This course examines the uses of sociological research and social science methodology for making of public policy. Attention is given to selected studies of public policy development and to potential applications of sociological research to the solution of social problems.
Second semester Martin Lowenthal

Sc 525—Sociology of Non-violent Action

Second semester Ken Wadowski

Sc 529—Sex Roles in the Modern World
(3 credits)

Special attention to the history and changing role of women.

First semester

Lynda L. Holmstrom

Sc 564—Sociology of Medicine
(3 credits)

The organization of medical care; the structure of the professions providing medical services (education and training, professional associations, competition between various professional groups); client-professional relationships; and the structure of hospitals and clinics.

Second semester

Lynda L. Holmstrom

Sc 569—Ecology of Higher Education
(3 credits)

Prerequisite: Junior, Senior and graduate students. Permission of the Instructor for non-Sociology-majors.

A system of voluntary enterprises founded by particular groups for particular purposes. The founders, the patrons and publics, the teachers, the students, the alumni. Contingencies of survival: financial, demographic, recruiting, ideological, social change. Religion and secularizing of higher education. The educational division of labor. Competition. Education and social policy.

First semester

John D. Donovan
Everett C. Hughes

Sc 571—Politics 1972
(3 credits)

Students will be required to work in political campaigns—Congressional, Presidential or both—dealing directly with people at various social class levels. After the November '72 election, students will be required to write up their field work experiences relating them to the existing sociological literature on the American political party structure and its class and ethnic foundations.

First semester

Paula Leventman

Sc 595—Sociology of Leadership
(3 credits)

A critical study of leader types and leader roles in a variety of institutional structures and settings. Special attention to contemporary aspects of the leader's status and role.

First semester

John D. Donovan

Sc 660—Sociology of Religion
(3 credits)

An examination of the interrelationships of religious and social life, with emphasis on the social forms and conditions of religious life.

Both semesters

Theo Steeman, O.F.M.

Sc 661—Sociology of American Religion
(3 credits)

An analysis of the American religious experience; special attention will be given to how American society dealt with the problem of religious pluralism and diversity, the concept of civil religion, the broadening national value consensus, the American type of religious organization; denominationalism.

Both semesters

Theo Steeman, O.F.M.

Faculty

Department of Sociology

<i>Visiting Professors:</i>	Benedict S. Alper, Everett C. Hughes.
<i>Professors:</i>	Severyn T. Bruyn, John D. Donovan*, Ritchie P. Lowry**.
<i>Associate Professors:</i>	Seymour Leventman, Michael Malec (<i>Chairman</i>), David H. Smith***.
<i>Assistant Professors:</i>	Patricia Gadban, Lynda L. Holmstrom, David A. Karp, Martin Lowenthal, Robert G. Williams, John B. Williamson, William C. Yoels.
<i>Instructors:</i>	Joseph Bivins, Jeanne Guillemine.
<i>Lecturers:</i>	Kay R. Broschart, James Isenberg, Paula Leventman.

* On Sabbatical, Spring 1973.

** On Sabbatical, 1972-1973.

*** On Leave, 1972-1973.

Department of Speech Communication and Theatre (Sa)

COMMUNICATION

Sa 100—Fundamentals of Effective Oral Communication (3 credits)

This basic course is concerned with informal speaking in committee, conference and other discussional situations. Interpersonal relations in these processes are studied. Students also gain experience in narration (story telling) and demonstration, expository speaking.

Both semesters

The Department

Sa 101—Public Speaking (3 credits)

Concentration on the effective preparation and delivery of such classical speech types as expository, occasional, persuasive and argumentative addresses. Attention is given to various modes of speaking, including the extemporaneous, impromptu and manuscript methods. A considerable use is made of recordings, so that students may evaluate their own progress.

Both semesters

John H. Lawton

Jeffrey Hart

Dorman Picklesimer, Jr.

Sa 102—The Discussion Process: Group Dynamics (3 credits)

This course concentrates on the problem-solving process, using the group discussion method. Analysis of international, national and local problems. Participation and leadership in problem-solving discussion, training in committee and conference participation.

Second semester

Dorman Picklesimer, Jr.

Sa 103—Reason in Controversy: Techniques of Augmentation (3 credits)

The construction, presentation and criticism of arguments in contemporary public controversies.

Second semester

Daniel M. Rohrer

Sa 104—Influence and Action: Elements of Persuasion
(3 credits)

How and why audiences are persuaded to accept a speaker's viewpoint with experience in applying principles to classroom speaking situations.

First semester

Dorman Picklesimer, Jr.

Sa 106—Radio: An Introductory Course
(3 credits)

Areas to be studied include: history of radio, the Federal Communication Commission, broadcast law, radio station operation, and radio programming. An important part of the course will be audio production and performance.

First semester

Robert Leffingwell

Sa 107—Television: An Introductory Course
(3 credits)

A study of the Federal Communications Commission, broadcast law and the medium, self-regulation, television station operation, and television programming. Practical experiences will center on production, performance, and script writing.

Second semester

Robert Leffingwell

Sa 108—Role of Cinema in Persuasion
(3 credits)

This introductory course is concerned with the use and misuse of films in shaping public opinion in the American political forum. The role of cinema in the competitive market and the religious community is also considered.

John H. Lawton

Sa 109—Introduction to Journalism
(3 credits)

See professor for prerequisites.

This course is concerned with several areas of press composition including news reporting, feature writing, sports, editorial comment, and general layout.

Second semester

Arnold Reisman

Sa 113—Communication Theory
(3 credits)

A study of communication theories and models with emphasis on the application of historical principles to modern controversies.

First semester

Jeffrey Hart

Sa 116—The Nature of Criticism
(3 credits)

The first concern of this course is the particular logic which should permeate criticism of the public address (speech making) as a communication media. Attention is also given to the critical methodology employed by the evaluator in judging a speech. Students do selected readings in the works of Leo Spitzer, Kenneth Burke and other contemporary critics and theorists. Current and controversial public address is reviewed. In course papers, students analyze and criticize the work of other critics or evaluate works which interest them.

Jeffrey Hart

Sa 118—The Rhetoric of Women's Rights
(3 credits)

The feminine revolution, the demand for absolute equality in all spheres of American civilization are treated in this survey course. The suffragettes of the

early twentieth century, the women rightists of the F.D.R. era, the contemporary Women's Liberation Front and Bread and Roses are studied.

Jeffrey Hart
John H. Lawton

Sa 205—Persuasive Argumentation
(3 credits)

See Instructor for prerequisite.

This course provides students with training in the analysis of argued questions, the discovery of issues, the evaluation of evidence and the preparation of logical argumentation, audience analysis and adaptation of argument to specific audiences. Students may participate in a program of symposia and debates before community organizations in all parts of the nation.

Second semester

John H. Lawton

Sa 210—Freedom of Speech and Press
(3 credits)

The historical, philosophical and legalistic background of the limitations of free expression with a survey of relevant cases. Self-Determination vs. Imperialism; Secrecy and National Security, Secrecy and Science.

Second semester

Daniel H. Rohrer

Sa 211—Conflict and Controversy in American Public Address
(3 credits)

The role of public address in the resolution of major conflicts in American political and intellectual history.

Second semester

Dorman Picklesimer, Jr.

Sa 212—Conflict and Controversy in British Public Address
(3 credits)

The role of public address in the resolution of major conflicts in British political and intellectual history during the late eighteenth century and in the nineteenth and twentieth centuries.

The Department

**Sa 214—The American Film: Influencing Action in the
Business and Political Communities**
(3 credits)

This course is concerned with the role of films in shaping public opinion and influencing decision making. Students will view and analyze moving pictures released by agencies in the Federal Government with a view toward arousing sympathetic public response. Various documentaries circulated by Department of the Interior, Defense, and Health, Education and Welfare will be given special attention. Network documentaries such as "The Secret War" and "Hunger in America" will also be shown and discussed. Attention will be given as well to advertising and documentaries released by business concerns. Thus, the thrust of the course is to broaden student understanding of the cinema as a significant agency in influencing public opinion. (This course is a continuation of Sa 108 but students need not have taken 108 prior to 214.)

First semester

John H. Lawton

Sa 215—Rhetoric of Contemporary Dissent
(3 credits)

An analysis of the rhetorical techniques of the Old and New Left, the Black revolution and the right-wing movements in recent American history.

The Department

Sa 217—Rhetoric and Poetic
(3 credits)

In the first section the class looks at the nature of both rhetoric and poetic. Methods for subjecting poetic works to rhetorical examination will be discussed. Thereafter critical attention will be focused on instances of drama (Shakespeare and Pinter), the novel (Beckett and Vonnegut), and film (Easy Rider, Night and Fog). The principles of rhetorical criticism will, of course, be employed. Critical papers on particular works on theoretical issues pertaining to rhetoric and poetic conclude the course.

Second semester

Jeffrey Hart

Sa 220—Campaign Rhetoric 1972
(3 credits)

A survey and analysis of current campaign rhetoric that is being directed toward the elections of 1972. This will include all elections, but concentrate on potential presidential and congressional candidates, their appeals, their causes and their audiences. The study will thus involve an in-depth consideration of prominent campaign issues, such as law and order, school busing, news media, inflation, unemployment, welfare, poverty, prison reform, peace movement, Vietnam War, volunteer army, amnesty, legalizing marijuana and abortions. These issues will be analyzed in the context of the political candidates themselves as well as their audiences.

First semester

Daniel M. Rohrer

Sa 221—Writing for Radio and Television
(3 credits)

The development of the idea, content, and form of broadcast scripts. Emphasis will be on the preparation of written scripts for a variety of radio and television shows.

First semester

Robert Leffingwell

Sa 222—Broadcasting—A Critical Evaluation
(3 credits)

An exploration of contemporary radio and television from a critical viewpoint. An appraisal of network and local station programming policies and program content—including entertainment, news, public affairs, and childrens' programs. Also being studied are broadcasting economics, advertising, and the business corporation; legal regulations; and the sociological impact of the media.

Second semester

Robert Leffingwell

Sa 223—Comparative Broadcast Systems
(3 credits)

This course surveys national and international systems of the broadcast media existing in the contemporary world. Emphasis is placed on the study of the control and operation of radio and television in the various countries.

Robert Leffingwell

Sa 224—Radio Production
(3 credits)

Prerequisite: Sa 106.

This course is concerned with a study of the elements of broadcast production. The main focus is on the creation, organization, and aesthetic incorporation of these elements in radio programming material.

Robert Leffingwell

Sa 225—Propaganda and A War Climate
(3 credits)

This course is concerned with the role of propaganda in creating war fervor. The escalation of American intervention in Vietnam (1965-1969) and the national support of this policy serves as a case study. Pro-intervention propaganda aimed at various political, religious and regional groups is analyzed and discussed. Extensive use is made of films and of radio and television broadcasts. Several guest experts from neighboring universities join the professor and students in their analysis and dialogue. Assigned readings provide students with pertinent background information.

Second semester

John H. Lawton

Sa 319—The Rhetoric of Religion
(3 credits)

This course will focus on the rhetorical or persuasive dimension of religion. Attention will be paid, in particular, to the art of preaching. By examining the sermons of leading figures in American history (i.e. Jonathan Edwards, the Mathers), the course will explore basic forms of religious rhetoric. What are the persuasive mechanics of a revolution in religious sensibility? How does a religious status quo defend itself? Are there analogies between past eras in religious history and contemporary phenomena in man's religious life? These are some of the questions the course will attempt to explore. In short, this examination of the rhetoric of religion will seek to find out how language is used to form, to manipulate, to reinforce those beliefs which constitute man's religious consciousness. (In special cases 319 is open to freshmen and sophomores).

Jeffrey Hart

Sa 397—Research and Reading in Speech Communication
(3 credits)

Both semesters

The Department

THEATRE

Sa 140—Introduction to the Theatre
(3 credits)

Course emphasizes factors which influence form and content in dramatic literature. Attention is also given to director's, actor's, and designer's role in modern theatre practice.

First semester

J. Paul Marcoux

Sa 141—Oral Interpretation of Literature
(3 credits)

A basic communication course dealing with the principles and techniques of the oral performance of literature. Emphasis will be on methods of literary analysis, logical and emotional content of literature and performance techniques. Various types of literature will be examined from the standpoint of aesthetics as well as communication.

First semester

J. Paul Marcoux

Sa 143—Play Direction I
(3 credits)

A course in the fundamentals of script analysis, blocking, and interpretation. Investigation of various schools and techniques of play direction.

First semester

Joseph M. Larkin, S.J.

Sa 144—Elements of Theatre Production
(3 credits)

Lecture-laboratory course which familiarizes students with set construction, lighting, costuming, make-up and other elements of stage production.
First semester Donald Shandler

Sa 145—History of Theatre I
(3 credits)

This course follows the simultaneous development of actor, playwright, architect and director from the Dionysian theatre to the proscenium theatre of the Restoration.
First semester Joseph M. Larkin, S.J.

Sa 146—History of Theatre II
(3 credits)

Prerequisite: Sa 145.
Course deals with the theatre from the eighteenth century to the present day. Growth of the American theatre and developing European forms are considered. Twentieth century trends and reevaluations of style receive attention.
Second semester Joseph M. Larkin, S.J.

Sa 147—Modern Theatre
(3 credits)

Prerequisite: Sa 146 or permission of the Instructor.
A continuation of Sa 146, this course will cover the history of the modern theatre from O'Neil to the present. Emphasis will be on the work of Williams, Albee and Miller.
Second semester Donald Shandler

Sa 151—Play Direction II
(3 credits)

Prerequisite: Sa 143.
A continuation of Sa 143, this course will stress performance. The student will be expected to prepare several scenes for class evaluation and discussion.
J. Paul Marcoux

Sa 152—Creative Dramatics
(3 credits)

Creative Dramatics is the study of informal drama activity for children existing solely for the enjoyment and benefit it can provide them. Teachers and parents, recreation and social workers are encouraged to study the development of spontaneous informal play as a loosely structured imaginative form of personal expression. Techniques of improvisation, sense recall, music, and movement are employed to help guide the child's growth as a flexible, original, and sensitive individual.
First semester Donald Shandler

Sa 153—Scene Design
(3 credits)

Prerequisite: Sa 144.
A study of the artistic and practical elements involved in preparing a stage setting. The history of scene design and its relation to other art forms will be investigated.
The Department

Sa 156—Black Theatre: Its Contemporary Literature
(3 credits)

The purpose of the course is to introduce students to contemporary Black playwrights and the forms these playwrights employ to communicate their message. Particular emphasis will be placed on the social purpose of the playwrights as well as on their creative process.

The Department

Sa 157—Black Theatre: Presenting the Play in the Black Community (and elsewhere)
(3 credits)

Work in the second semester will grow organically out of the first. Plays including unpublished manuscripts, studied in the first semester, will be reviewed from the production standpoint. In the concluding portion of the course, class members will select a play, produce it and present it in the Black community and elsewhere.

The Department

Sa 159—Children's Theatre
(3 credits)

Dramatic and theatrical techniques of selecting, directing, and producing plays for children's audiences will be the concern of this course. Both traditional and experimental plays serve as source material for special consideration of problems of settings, costumes, and lighting.

Second semester

Donald Shandler

Sa 242—Theory and Practice of Acting I
(3 credits)

This introductory course will be concerned with the fundamentals of acting. The techniques of observation, imagination, concentration and sensory recall will receive attention. Employment of voice and body in developing characterization will be studied.

First semester

J. Paul Marcoux

Sa 249—Analysis and Performance of Dramatic Literature
(3 credits)

Prerequisite: Sa 141, or permission of the Instructor.

This course presupposes a basic understanding of oral interpretation (See Sa 141) and/or performance experience. Emphasis will be on contemporary approaches to group interpretation including Readers Theater and Story Theatre. A public performance will climax classroom work in the selection, analysis, and rehearsal of special materials.

Second semester

J. Paul Marcoux

Sa 250—Theory and Practice of Acting II
(3 credits)

Prerequisite: Sa 242.

This course will concentrate on scripted materials and on building specific characterizations. Some attention will be given to the various styles of acting appropriate for pre-modern drama.

Second semester

Joseph M. Larkin, S.J.

Sa 254—Playwriting
(3 credits)

Permission of Instructor required.

This is a laboratory course dealing with the basic elements of the playwright's art. A fully developed short play will be required. Some of these will be given a public production.

First semester

Sister Gretchen Bogan

Sa 348—Experimental Theatre
(3 credits)

Prerequisite: Sa 146, Sa 147, or permission of the Instructor.

An intensive study of several European playwrights who have helped to establish trends in the contemporary theatre. Major emphasis will be on the work of Brecht, Beckett, Ionesco, Genet, and Pinter. Some attention will also be given to the experimental work of Grotowski, Brook, Chaikin, Beck, and others. The course will critically examine movements such as "theatre of the absurd," "theatre of the grotesque," "theatre of cruelty," "theatre of ritual," and others.
Second semester J. Paul Marcoux

Sa 355—Theatre Aesthetics and Dramatic Criticism
(3 credits)

Prerequisite: Sa 146 or Sa 147 or permission of the Instructor.

Historical and contemporary theories of art as they apply to the theatre are considered. Criteria for judging relative values of current theatrical theory receive attention.
Second semester Joseph M. Larkin, S.J.

Sa 398—Research and Reading in Theatre
(3 credits)

Prerequisite: Senior standing and 12 credit hours in theatre.

Both semesters The Department

SPEECH PATHOLOGY AND AUDIOLOGY

Sa 170—Anatomy and Physiology
(3 credits)

A study of the anatomy, physiology and neurology of the vocal mechanism. Class lectures are supplemented by laboratory experience and patient presentations.
First semester Kenneth Nakano

Sa 171—Phonetics
(3 credits)

A study of the International Phonetic Alphabet.
Second semester Gail A. McGrath

Sa 172—Introduction to Speech Therapy
(3 credits)

Prerequisite: Sa 170, Sa 171.

Common speech handicaps with concentration on articulation and stuttering.
First semester Gail A. McGrath

Sa 273—Diagnostic Procedures
(3 credits)

Prerequisite: Sa 170, Sa 171, and Sa 272.

An introduction to testing procedures in speech and language evaluation. Class lectures supplemented by testing observation and clinical practicum.
First semester Howard Zubick

Sa 274—Audiology
(3 credits)

Prerequisite: Sa 170, Sa 171.

The course concentrates on hearing defects and the mechanism of hearing. Work with the audiometer and testing of hearing aides is also scheduled.
Second semester Howard Zubick

Sa 375—Seminar in Special Problems
(3 credits)

Prerequisite: Sa 170, Sa 171 and previous course work in speech science.
Discussion of cleft palate, asphasia, laryngectomy, cerebral palsy, etc.

Second semester

Howard Zubick

Sa 376—Independent Clinical Research
(3 or more credits)

Prerequisite: Sa 170, Sa 171 and previous course work in speech science.
Practice in relating special problems to the therapeutic situation.

Second semester

Sa 399—Research and Reading in Speech Pathology and Audiology

Prerequisite: Sa 170, Sa 171.

Both semesters

The Department

Faculty

Department of Speech Communication and Theatre

<i>Professor:</i>	John H. Lawton (<i>Chairman</i>).
<i>Associate Professor:</i>	J. Paul Marcoux.
<i>Assistant Professors:</i>	Joseph M. Larkin, S.J., Jeffrey Hart.
<i>Adjunct Professor:</i>	Rev. Msgr. Walter L. Flaherty.
<i>Adjunct</i>	
<i>Associate Professor:</i>	Elma Lewis.
<i>Instructors:</i>	Carroll Dawes*, Robert Leffingwell, Gail Ann McGrath, Dorman Picklesimer, Jr., Daniel Rohrer.
<i>Lecturers:</i>	Sister Gretchen Bogan, Kenneth K. Nakano, Howard Zubick.

* On leave of absence.

Department of Theology (Th)

Th 001—Introductory Biblical Hebrew
(3 credits)

This course will be devoted to the acquisition of the fundamentals of
Biblical Hebrew grammar and a working vocabulary.

Both semesters

Jeremiah Donovan, S.J.

Th 003—Biblical Hebrew
(3 credits)

Prerequisite: knowledge of Hebrew Th 001 required.

Sections of Genesis will be read to prepare the student for wider ex-
cursions in the Hebrew Old Testament.

Both semesters

Jeremiah J. Donovan, S.J.

Th 010—Principles of Jewish Theology
(3 credits)

A survey of the basic principles of religion and their expression in Ju-
daism; and examination of Jewish religious ideas as expressed in literature set
within its historical context.

Both semesters

David Neiman

Th 021 Sections 001 & 002—Introduction to the Old Testament
(3 credits)

A critical analysis of the Old Testament, using modern form criticism technique. Salvation history in Egypt and the Exodus. The covenant and the Mosaic code. Conquest, kingdom, and exile. The prophetic protest.

Both semesters

Joseph J. Connor, S.J.

Th 025—Major Prophets of the Old Testament
(3 credits)

This course will present a study of the personality and teachings of the chief prophets of Israel and their relevance for Christianity.

Both semesters

Joseph J. Connor, S.J.

Th 031—Archaeology of the Bible
(3 credits)

An examination of the text of the Bible in the light of archaeological discoveries; a survey of the achievements of archaeology in the restoration of the historical context of Biblical literature.

Both semesters

David Neiman

Th 039—Introduction to the Old Testament and The Gospels
(3 credits)

The first half of this course will be devoted to the Old Testament. Readings in most of the books of the Catholic canon will introduce the student to a first-hand knowledge of the Bible text. There will also be class discussions of the more mature conclusions of contemporary Biblical study. The second half of the course will comprise a study of the four Gospels to evaluate them as historical sources, but also to illustrate the synoptic relationships and the influence of early Church situations of the formation of the Gospels.

Both semesters

Jeremiah J. Donovan, S.J.

Th 050 Sections 01 and 02—Introduction to the New Testament
(3 credits)

This course introduces the student to the cultural, historical and religious milieu in which early Christianity emerged and developed during its first century. Each New Testament work is examined in light of its situation in the early Church which led to its writing. The student is introduced to the methods used by modern biblical scholarship in understanding the "setting" of early Christian literature. Graeco-Roman history, culture and religion are studied insofar as they are presupposed in New Testament writings.

Both semesters

PHEME PERKINS

Th 060 Sections 01 and 02—Faith, Reason and the Gospels
(3 credits)

This course is an historical and thematic study of the four Gospels in their beginning and growth. After a reconstruction of their background and a consideration of their major emphasis, it concludes with an analysis of faith as modern man's response of question and commitment to the evangelical "good news."

Both semesters

James J. Casey, S.J.

Th 075—The Problem of the Historical Jesus
(3 credits)

Who was Jesus of Nazareth? What can modern historical-critical analysis tell us of his life and teachings? Is the Jesus of faith the same person who

walked the roads of Palestine? The course will deal with the relationship of Jesus to the various political and religious power structures of his time: the Roman occupation, the (religious-political) revolutionary zealots, the priestly caste which collaborated with the Romans, the popular expectations of the people and of Jesus' own disciples.

Second semester

Robert Daly, S.J.

Th 080—God and Revelation
(3 credits)

The basic predicate of Christianity is that God has made Himself known to man in a way which man could never himself attain. This course will consider the possibility of his revelation, its form, its summit in Jesus Christ. It will then consider special questions such as revelation in the Church, Scripture and Tradition, and the nature of Theology.

Both semesters

Patrick J. Ryan, S.J.

Th 085 Sections 01 and 02—Faith, Reason and Revelation
(3 credits)

This course will study the questions that face the seekers and the doubters of the present age. Initial seminars and discussions will determine the direction and stress. Motivation, intelligibility and growth in a living act of faith will be studied. The personal aspect of faith as it looks at revelation will conclude the course.

Both semesters

David F. Carroll, S.J.

Th 086—New Testament Theologies
(3 credits)

The Synoptic Gospels, our sources about Jesus, are the product of an intense period of theological development since the Resurrection. Form criticism and composition history are therefore explained, and an idea of the purpose of Mark's Gospel is gained before attempting to form a concrete view of the historical appearance of Jesus' ministry. The Resurrection, or rather the earliest Christian community's interpretation of it, forms the second main area of the course. Then Paul's situation and some main themes of his theology are brought to light out of a sampling of his writings. The main goal of the course is to make more acute our awareness that Christian theologies are embedded in history and historical process.

Both semesters

Paul Misner

Th 095—Honors Theology Forum
(3 credits)

This course attempts to provide a context for serious, sustained, and systematic discussion on the problem of the Church dealing with such topics as: the Church and society; the Church and the individual; the structure of the Church; the problem of doctrine and belief; the relationship of the Catholic Church with other Christian churches and of the whole Christian Church with the various non-Christian religions; and the matter of liturgy and worship.

First semester

Richard McBrien

Th 119—Dissent & Community in the Early Church
(3 credits)

The early Christians as a dissenting group, the nature of early Christian community, and the emergence of its radical ethic into a hostile world. Relation

of the early community to state and society, and significance for modern social issues. Documents of the early community will be read in translation.

Both semesters

Margaret Schatkin

**Th 160—History of Christian Thought
(3 credits)**

A survey of the development of major theological movements as they have emerged in the history of the Christian Church. Beginning from the Apostolic Fathers, the theological trends of the patristic period, both eastern and western, and the early ecumenical councils will be considered. The medieval period will next be examined as well as the theological insights of the Reformation in both its Protestant and Catholic expressions. Finally theological developments in recent centuries will be noted.

Both semesters

Robert Brightman

**Th 165 Section 01—Ancient Near East Religions
(3 credits)**

A course of lectures and discussions dealing with the peculiar characteristics of the Egyptian and Mesopotamian cultures and theologies so well represented in the collections of the Boston Museum of Fine Arts.

First semester

Hamish Swanston

**Th 165 Section 02—Introduction to Religious Studies
(3 credits)**

The aim of this course is twofold: (1) to acquaint the student with the variety of phenomena that characterizes "religious man"; and (2) to introduce him to different methods used in studying these phenomena. Historical, anthropological, sociological, psychological and philosophical approaches are discussed. Illustrative material is drawn from the great world religions: Hinduism, Buddhism, Islam and Christianity; religions of non-literate societies, and contemporary quasi-religious movements. Since this course is an introductory survey of questions, problems and methods, it makes no attempt to be a systematic introduction to comparative religions or to any one methodological approach.

Both semesters

PHEME PERKINS

**Th 169 Sections 01 and 02—The Scientific Study of Religion
(3 credits)**

This course will examine the methods and results of the various social sciences in their approach to the study of religion. The ancient religions of the Egyptians, Babylonians, Israelites, and early Christians, as well as modern Christianity and the American civil religion, will be examined.

Both semesters

Thomas Wangler

**Th 170 Section 01 and 02—The Mystery of the Church
(3 credits)**

This course will investigate: the Church's teaching about her own nature as found in the documents of Vatican II; the Church in the New Testament; the relationship of the Church today to the Kingdom preached by Jesus Christ. The secular meaning of the Gospel and the secular mission of the Church and a survey of contemporary theology on the mission of the Church will also be studied.

Both semesters

Rev. John Toomey

Th 173 Section 01 and 02—Contemporary Man and 3 Theological Problems
(3 credits)

This course will re-evaluate the traditional concepts of God, Faith and Church in the contemporary culture of humanism, scientism and liberalism.
Both semesters

Leo O'Keefe, S.J.

Th 177 Sections 01, 02, 03—The Church of Vatican II
(3 credits)

This document of Vatican II has been called the most momentous achievement of the council. As a manifestation of the self-understanding of the Church in our day, it speaks of its mastery, the dignity and apostolate of its people, the nature and reason for its hierarchical structure, its relationship to other religious communities, the ingredients required in forming a Catholic conscience, what a Catholic is or ought to be, etc. These topics will be studied in the context of the confusion, anxieties, secularism and subjectivity of our times.

Both semesters

Daniel J. Saunders, S.J.

Th 185 Sections 01 and 02—Theology of Marriage
(3 credits)

This course is an investigation of marriage as an institution and a sacrament, in the light of the Judaeo-Christian tradition. In the light of that tradition it will examine the problems, the successes and the failures most frequently encountered in the preparation for, and the living of Christian Marriage in contemporary America.

Both semesters

Edward R. Callahan, S.J.

Th 185 Sections 03 and 04—Theology of Marriage
(3 credits)

This course will seek to examine the meaning of marriage in Catholic Theology and to investigate the relevance of the theological data for contemporary man in view of recent sociological and psychological factors. The nature of human love and special problems of sexual morality will be considered.

Both semesters

Patrick Ryan, S.J.

Th 185 Section 05—Theology of Marriage
(3 credits)

This course will treat the present state of Christian religious conviction and the way in which that conviction interprets marriage. Special emphasis will be placed on the Catholic interpretation of marriage as a sacrament. Special problems in contemporary American Society will be taken up.

Both semesters

Charles Healey, S.J.

Th 190—Theology of Religious Experience
(3 credits)

A study of the development of religious consciousness together with its roots and expressions in both the individual and the religious group. Such topics as the following will be treated: religious quest, religious identity, conversion experiences, religious maturity, the sacred and its meaning.

Both semesters

Charles Healey, S.J.

Th 191—Non-Christian Religions, Christianity and the Church
(3 credits)

This course commences with a study based on the historical, psychological and philosophical researches of such specialists as Micrea Eliade, Etienne de

Greef, Rudolph Otto, and Antoine Vergote, concerning the reality of man's religious affectivity and attitude. Exemplifying this religious psychology toward the sacred and profane, in brief surveys of the major historical religions, particularly Hinduism, Buddhism, Judaism and Islamism, the course concludes, in its study of Christianity, with a presentation of the Church as the "all embracing sacrament of salvation," as the Second Vatican Council has proclaimed it. Conciliar documents stressed will be the Dogmatic Constitution on the Church, the Decree on the Church's Missionary Activity, and the Declaration on the Relationship of the Church to Non-Christian Religions.

Both semesters

Miles Fay, S.J.

Th 195 Sections 01 and 02—Mysticism Compared
(3 credits)

This course treats the Christian Mystics Ignatius of Loyola and John of the Cross as well as studies of the Mystical Monotheisms of the Indian Hindu and the Islamic Moslem.

Both semesters

David R. Cummiskey, S.J.

Th 200—The Gods of Atheism
(3 credits)

A study of the new worldwide apocalypse—the mystery of modern man's adventures in organized humanistic atheism. Seventeen intellectual giants—not all atheists—are studied directly and a host of others collaterally. The course is divided into four parts, each emphasizing a pull in man's spirit that attracts him to create gnostic, utopian deities as replacements for the God of the Sacred Scriptures.

Both semesters

David R. Cummiskey, S.J.

Th 210 Sections 01 and 02—Theology of Christ and Mary
(3 credits)

From Scriptural and Conciliar references the course will concentrate on the uniqueness of the person and redemptive mission of the Incarnate Word. Past historical and contemporary modern Christological questions will be introduced, as well as the considerations of scholars such as Teilhard de Chardin, Wolfhart Pannenberg, and Chretien Duquoc. Establishing the Christological-Mariological relationship, the collaboration of Mary with Christ and his mission will be studied, and conclusions of scholars like Max Thurian, Otto Semmelroth, and Alois Muller will be discussed, in an attempt toward establishing the theology of Mary in its proper theological and ecumenical perspective.

Both semesters

Miles L. Fay, S.J.

Th 240—Theology and Literature II: The Resurrection of the Body
(3 credits)

The Christian teaching concerning the resurrection of Christ and the Christian will be examined in relation to primitive fertility cults and the last plays of Shakespeare, *Cymbeline*, *Pericles*, *Tempest* and *Henry VIII*.

Second semester

Hamish Swanston

Th 270—Architecture in Worship
(3 credits)

An examination of the interior functional arrangements of the worship area in churches in the light of the theological and liturgical beliefs which inform these arrangements. Particular attention is devoted to the location and function of the pulpit, altar-table and baptistry. The approach is historical and

denominational in that churches from various periods of history and of different denominations are examined. Several field trips to churches in surrounding areas are taken and slides of a number of churches are shown.

Both semesters

Robert S. Brightman

Th 271—Theology and Literature I: Toward a Christology
(3 credits)

An attempt to elucidate what Christians have said about the person and work of Christ through a reading of *A Mid-Summer Night's Dream*, *Lear*, *Coriolanus*, *Mrs. Dalloway* and *The Waves*.

Both semesters

Hamish Swanston

Th 276 Sections 01 and 02—Theological Issues in the Modern World
(3 credits)

This course sets out to explore the cultural lag that has developed between present-day culture and the sensibility that goes with it, and conventional Christianity. The demise of ecclesiastical structures, the harmony of the universe, and the Word of God in the Bible as the traditional *loci* of the experience of God in faith is then dealt with. The course then goes on to explore the various ways in which Schleiermacher, Bultmann, Tillich, Barth, Brunner, and Bonhoeffer dealt with the vacuum caused by the demise of conventional Christianity. Finally, it will be attempted to arrive at some conclusions about the possibilities of belief-cum-intellectual-integrity in a secularized world; in this context the notions of faith, dogma, spirit, church, and humanness will reemerge in a radically new way.

First semester

Frans Jozef van Beeck, S.J.

Th 278—Sections 01 and 02—Christian Attitudes toward War & Peace
(3 credits)

Pacifism, the Just War, the Holy War or Crusade: the origins and history of these three fundamental attitudes toward war and peace (from the Old Testament to the present, but with special emphasis on the New Testament) will be subject to rigorous theological analysis. Current problems will often be mentioned, but this will not constitute the major part of the course which will attempt to counteract the misconception and oversimplification which so often vitiate contemporary debate on war and peace.

Th 278 section 01—Both semesters

Robert J. Daly, S.J.

Th 278 section 02—First semester

Robert J. Daly, S.J.

Th 280—Theology Today
(3 credits)

The first part of this course will consider the relation of theology, human existence, revelation, belief and unbelief, the language of theology, and the relation of Christianity to other religions. The second part of the course will consider contemporary theological approaches to traditional doctrines of Christianity: God, Christ, and Church.

Both semesters

John J. Begley, S.J.

Th 286—Neo-Marxism and Christianity
(3 credits)

The issue of socratic enterprise of self-realization today: theological scrutiny of the implications of the democratic principle in education and politics by means of a discussion of debates within the Democratic Left (e.g. Marcuse,

Habermas, Freire, etc.) on such topics as critical consciousness, critique of ideology, revolutionary humanism, cultural revolution.
Second semester Frederick Lawrence

Th 288 Sections 01 and 02—The Dream of the Kingdom of God
(3 credits)

A study of how visions of the future determine what a people do in the present. Within the Judaeo-Christian tradition the concept of the Kingdom of God served as a dream of a glorious future which gave and gives this tradition a direction. A study of the future Kingdom envisioned in the Prophets, and Apocalypses, and, at the present time, in relation to Marxism and Futurology.
Both semesters Thomas Fitzpatrick, S.J.

Th 294 Sections 01 and 02—Christian Existence
(3 credits)

This course has as its purpose to encourage the individual student's initiative in the discovery and ordering of values through the process of personal experience, selected readings, discussions and theological reflection.
Both semesters John J. Begley, S.J.

Th 296—Theology of Social Conflict
(3 credits)

This course is offered in conjunction with the PULSE program to afford some ordered reflection on the human and societal roots of conflict between groups in society, and what Christian responsibility requires in our responses to conflict situations.
Both semesters Paul Misner

Th 299—Readings and Research
(3 credits)

Both semesters The Department

Th 305—Jewish Background to the New Testament
(3 credits)

A historical survey of Jewish religious and philosophical literature antecedent to and contemporary with the New Testament in its formation.
Both semesters David Neiman

Th 412—Augustine: Sermones
(3 credits)

Prerequisite: a fair knowledge of Latin.
Using as a text the *Biblioteca de autores Christian*, vol VII in the *Obras de San Augustin*, and other selected sermons, about 75 sermons will be read, in Latin. The sermons afford an excellent introduction to the thought of Augustine the bishop, to his world and his theology. Literary themes found there are influential in medieval literature. Open also to Classics, Medieval Studies, and Romance Language students.
First semester T. P. O'Malley, S.J.

Th 413—Augustine: Homilies
(3 credits)

Prerequisite: a fair knowledge of Latin.
This course is designed to be continuous with Th 412, but new students may join in second semester. The text will be Vol. X in the *Obras de San August-*

tin, Homilies, with other selections. The homilies too, provide an excellent introduction to the thought of Augustine the bishop, to his world, and his theology. Literary themes found there are influential in medieval literature. Open also to Classics, Medieval Studies and Romance Language students.

Second semester

T. P. O'Malley, S.J.

Th 414—St. Jerome I
(3 credits)

Prerequisite: Latin required.

Reading of selected letters of St. Jerome in Latin, with attention to linguistic, historical, stylistic and textual problems.

First semester

Margaret Schatkin

Th 415—St. Jerome II
(3 credits)

Prerequisite: Latin required.

Reading of selected letters of St. Jerome in Latin, with attention to linguistic, historical, stylistic and textual problems. This course runs for two semesters; but one may enter in second semester.

Second semester

Margaret Schatkin

Th 416—St. Basil I
(3 credits)

Prerequisite: Greek required.

Reading of the Greek text of representative letters and of the Exhortation to Youths as to How they shall Best Profit by the Writings of Pagan Authors. Special emphasis will be placed on the literary and historical problems, as well as the doctrinal and ecclesiastical importance of these writings.

First semester

Margaret Schatkin

Th 417—St. Basil II
(3 credits)

Prerequisite: Greek required.

Reading of the Greek text of representative letters and of the Exhortation to Youths as to How they shall Best Profit by the Writings of Pagan Authors. Special emphasis will be placed on the literary and historical problems, as well as the doctrinal and ecclesiastical importance of these writings. This course runs for two semesters; but one may enter in second semester.

Second semester

Margaret Schatkin

Th 421—Early Christian and Medieval Political Theology
(3 credits)

A study of the various solutions to the problem of the relation of Christianity to the contemporary world in antiquity and during the Middle Ages. The Constantinian and Augustinian traditions. Radical politics in the early Church. Evolution and breakdown of medieval Christendom. This course will also be of interest to students in Political Science.

Second semester

Ernest Fortin

Th 440—Tradition and Change in Roman Catholic Modernism
(3 credits)

Prerequisites: reading knowledge of at least French; familiarity with Protestant 19c. developments in historical theology.

The question of Tradition and its updating or adaptation to changing times was one of the foci of debate among Modernist authors and their adver-

saries. Loisy, Blondel, LeRoy, Turrell, von Hugel and the Roman See all expressed themselves more or less explicitly on this issue. The still current theological issues that arise from this chapter in the history of theology will also be discussed.

First semester

Paul Misner

Th 463—Catholicism and Crisis in Western Europe
(3 credits)

Prerequisite: Europe since 1500.

The development of Social Catholicism and Christian Democracy in the 19th and 20th centuries has profoundly influenced both European History and Roman Catholicism. This course, offered jointly by the Departments of History and Theology, will examine such topics as the Revolution and Restoration in France, the "Roman Question," the Kulturkampf in Germany, Christian Democracy in the present century and new efforts to construct a Political Theology.

Second semester

Paul Misner

Th 466—The History of the American Catholic Faith
(3 credits)

This course will trace the history of American Catholicism from John Carroll to the present with special emphasis on the history of the Faith of American Catholicism.

Both semesters

Thomas Wangler

Th 470—Mission of the Church in Recent Theology
(3 credits)

An investigation of two central questions in contemporary Christian theology: the secular meaning of the Gospel, and the secular mission of the Church.

Second semester

Richard McBrien

Th 480—Sacramental Theology
(3 credits)

This course studies the fulfillment of God's redemptive plan, which looks to the personal encounter of the individual with God, and requires, normally, union with Christ in the Church by means of the sacraments. This union of life and worship, involves the theological questions of grace, the priesthood, and the liturgy, which will be emphasized in the course.

Both semesters

Felix Talbot, S.J.

Th 488—Christian Sacrifice
(3 credits)

A survey analysis of the Jewish and Early Christian origin of the Christian idea of sacrifice. The relevance for the modern concept of sacrifice and worship of the material discussed will be constantly brought under discussion.

Second semester

Robert Daly, S.J.

Th 489—The Theology of the Eucharist
(3 credits)

A study of the Christian Eucharist in its historical origins in the sacrifices and sacred meals of the Old Testament, in its institution by Christ, and in the new Testament theology of the Eucharist. The early Christian theology and practice of the Eucharist, with a study of the major early Christian Eucharistic texts. The sacramentalization and institutionalization of the Eucharist, when it was increasingly modelled after the Old Testament systems of priesthood and sacrifices—a model which the very early Church seemed to reject. The major developments

and controversies associated with the Eucharist from the patristic age to the present. Modern Eucharistic developments and controversies. The Eucharist as the life and center of the Church and the believing community of Christians.
First semester Robert Daly, S.J.

Th 490—Contemporary American Spirituality
(3 credits)

An investigation of main trends in contemporary American Spirituality with major emphasis on the writings of Thomas Merton. Special attention will be given to the existing tension between prayer (contemplation) and action.
Both semesters Charles Healey, S.J.

Th 500—Introduction to Systematic Theology
(3 credits)

An introduction to the basic methods and areas of Christian theology.
First semester Richard McBrien

Th 563—War and Peace: The Christian Context
(3 credits)

Offered by the Director of the Program for the Study of War and Peace, this course will attempt to lay out the general field in terms of which a Christian Theology of peace should be discussed. Not only peace and war, but Christian life itself.
Both semesters James Halpin, S.J.

Th 566—Ethics and the Urban Ethos
(3 credits)

Prerequisite: previous course in social ethics of sociology of religion.
An investigation of the ethical, sociological and ecclesiastical implications of the values, structures, institutions and patterns of change in the modern urban ethos.
Second semester Theodore Steeman, O.F.M.

Th 569—Moral Problems in Modern Medicine
(3 credits)

The purpose of this course will be to acquaint pre-medical students with the moral and philosophical problems engendered in medicine; to provide a forum to discuss these problems; to provide a context that will help to define and resolve these and future problems that may be encountered professionally. Seminar-type sessions will be based on relevant articles from the general medical literature, with an occasional guest moderator having expertise in the area under discussion. Topics to be discussed will include: population; confidentiality; chemical and biological warfare; transplantation, etc. This course will be team-taught with Dr. Eugene LaForet, M.D.
First semester Thomas P. O'Malley, S.J.

Th 570—The Nature, Dignity and Destiny of Man
(3 credits)

Some structures of belief and non-belief; structures of Catholic behavior belief.
Second semester Felix Talbot, S.J.

Th 570, 02—The Nature, Dignity and Destiny of Man
(3 credits)

Some structures of belief and non-belief; structures of Catholic behavior belief.
Both semesters Felix Talbot, S.J.

Th 579 Sections 01 and 02—The Future of Christianity
(3 credits)

This course will discuss the present and future role of Christianity with respect to our contemporary cultural crisis. In attempting to relate the Christian reality to the formation, deformation and transformation of man (his worlds of everyday experience, of theory, of historicity), the course proposes an extended exercise in personal reflection on concrete experience in order to thematize the experience of transcendence in terms accessible to contemporary sensibility.

Th 579, 01—PULSE students only.

Both semesters

Frederick Lawrence

Th 610—Psychology of Value Development in the Child
(3 credits)

A study of the developing capacity to value in the pre-adolescent should lead to a better understanding of adult-child relationships, and the influence of values on the integration of all aspects of growth: physical, social, psychological, emotional and religious. The special problem of transmitting religiously derived values will be studied.

First semester

John McCall, S.J.

Th 612—Psychology of Value Development in the Adolescent
(3 credits)

A study of the growing capacity to value in the adolescent should lead to a better understanding of communication problems between adolescents and adults. How to help older, past-oriented values, and young, future-oriented values to help each other to be present values. Special problems with religious values in both adolescents and adults will be discussed.

Second semester

John McCall, S.J.

Th 615—Theological Forum
(3 credits)

An open forum for the discussion of trends in theology. This course will be open for credit to students of all schools, and for non-credit interested persons.

Both semesters

The Department

Th 618—Seminar on Values in Infancy and Early Childhood
(3 credits)

In-depth research, seminar presentations, and discussion of the transmission of values in the home, and the transmission of values of the cultural milieu in which the family lives.

It is possible to enter the course in the Spring, though it is continuous from Fall to Spring.

Both semesters

John McCall, S.J.

Th 620—Sociology of Religion
(3 credits)

An analysis of religion as a social phenomenon. The major topics covered are: the functional definition of religion, the social articulation of religion, in an historical-evolutionary perspective. The problem of religious institutionalization, religion in modern society. The course is geared to the formulation of concepts and sociological insights that may be helpful to the understanding of present-day religious situations.

Both semesters

Theodore Steeman, O.F.M.

Th 625—Sociology of American Religion
(3 credits)

An analysis of the American religious experience. Special attention will be given to how American society dealt with the problem of religious pluralism and diversity, the concept of civil religion, the broadening national value consensus, the American type of religious organization: Denominationalism.

Both semesters

Theodore Steeman, O.F.M.

Th 628—Christianity and History
(3 credits)

Analysis of the emergence and development of the notion of historical consciousness or the so-called "historical approach" to the study of human life and thought. The secular roots of the concept of history as it has come to be understood in our day. The rise of historical theology and its different expressions from the end of the nineteenth century to the present. This course is also of interest to students in Political Science.

First semester

Ernest Fortin

Th 650—The Task of Theology
(3 credits)

This course seeks to assist the student in clarifying and criticizing his own processes of Christian understanding, and in placing in proper perspective the various courses which presume to express understanding with some measure of authority and/or competence.

Second semester

Richard McBrien

Th 655—What is Systematic Theology?
(3 credits)

This course will treat questions on: 1) the rise and development of theology, 2) the relation between symbolic and systematic thinking in Christian life, 3) the relation between historical studies (biblical, patristic, conciliar, medieval, reformatory and modern) and systematic studies, 4) the legitimacy and need for systematics, 5) the personal requisites for doing systematics.

First semester

Frederick Lawrence

Th 680—Christian Biographies
(3 credits)

An examination of several prominent church leaders since 1500. The historical setting together with the story of the person's life are in each case related to the theological concerns which were at stake. Persons studied will be Martin Luther, Ignatius Loyola, Blaise Pascal, George Fox, John Wesley, and Horace Bushnell. Readings will include passages from the writings of each. Particular attention will be paid to the similarities and differences among the individuals studied.

Both semesters

Robert S. Brightman

Th 685—The Third World and Theology of Liberation
(3 credits)

In that the poor countries of the world are seeking their own identity, independent of the metropolises, what is the future of Christianity? Christianity in the poor countries is a product of colonialism. For the most part, the theology of colonialism developed out of the dialogue between the third world and the metropolises. This course will be an attempt to express Christianity within the bounds of this dialogue.

Both semesters

Thomas Fitzpatrick, S.J.

Th 690—Problems in Christian Religious Language
(3 credits)

This seminar will deal with the philosophical, structural and some of the theological problems connected with religious language, especially its Christian variety. The following topics will be explored: the logical status of religious language, the operation of mythical language, the characteristics of ontological, liturgical, ecclesiastical, and "secular" religious language. In an accompanying series of lectures the instructor will deal with problems such as the following: Concept-language and Name-language; Visual and Oral-aural correlatives—faith as seeing and faith as hearing; Comprehension vs. Understanding in language; Buber's God-talk; Models and Mystery; the Rhetoric of the Names of Jesus; etc.

First semester Frans Jozef van Beeck, S.J.

Faculty

Department of Theology

<i>Professors:</i>	William J. Leonard, S.J., Richard P. McBrien, Frederick L. Moriarty, S.J.
<i>Associate Professors:</i>	Mary F. Daly*, Ernest L. Fortin, A.A., John R. McCall, S.J. (<i>Director: Institute for the Study of Religious Education</i>), Thomas P. O'Malley, S.J. (<i>Chairman</i>), David Neiman, Daniel Saunders, S.J., Thomas E. Wangler.
<i>Assistant Professors:</i>	John J. Begley, S.J., Robert S. Brightman, William J. Burke, S.J.**, Edward R. Callahan, S.J., David F. Carroll, S.J., James J. Casey, S.J., Joseph J. Connor, S.J., David R. Cumiskey, S.J., Robert Daly, S.J., J. Frank Devine, S.J., Jeremiah J. Donovan, S.J., Miles Fay, S.J., Thomas Fitzpatrick, S.J., Charles Healey, S.J., Paul Misner, Leo P. O'Keefe, S.J., Pheme Perkins, Patrick J. Ryan, S.J., Margaret A. Schatkin, Hamish Swanston, Felix F. Talbot, S.J., Frans Jozef van Beeck, S.J.***
<i>Lecturers:</i>	Frederick Lawrence, Theodore M. Steeman, O.F.M.
<i>Visiting Lecturers:</i>	Joseph A. Devenny, S.J., Eugene Laforet (<i>Alumni Lecturer</i>), Rev. John Toomey, John Todd, Albert Goldstein (<i>Jewish Chautauqua Society Lecturer</i>).
<i>Executive Secretary of Religious Education:</i>	Elinor M. Stetson

* On Sabbatical Leave, First Semester, 1972-1973; On Leave of Absence, Second Semester, 1972-1973.

** On Sabbatical Leave, 1972-1973.

*** On Leave of Absence, Second Semester, 1972-1973.

Interdepartmental Programs

Boston College Environmental Center (BCEC)

A CENTER FOR:

- Environmental Research
- Curriculum and Degree Program
- Development
- Institutes and Conferences
- The Boston College Environmental Forum

- Public Information and Public Education Programs

The BCEC was established in 1970 as a center for coordination and administration of environmental curriculum and research. It developed in recognition of the fact that knowledge of the environment in its diverse physical systems, and understanding of the ways man interacts with the natural environment and correct abuses of its systems, necessitates a multi-disciplinary approach to environmental studies.

The primary function of the BCEC is to foster curriculum programs and research that provide faculty and students with maximum opportunity and for understanding the complex relations of man to the environment. The BCEC is not an instructional unit of the University in the same sense as are departments. Nevertheless it has faculty and student associates who are members of constituent graduate and undergraduate departments and schools of the University who are engaged in environmental projects. To date cooperative undertakings have involved participation on the part of members of the several science departments, several social science and humanities departments, the Environmental Law Center, the School of Education, the School of Nursing, the School of Management and the School of Social Work.

Additionally, cooperative efforts have been undertaken between BCEC and certain agencies of state government, certain industrial organizations, as well as other academic institutions through the New England Consortium on Environmental Protection (NECEP).

The BCEC is working closely with individual departments and schools in the development of an environmental curriculum for those students who want an environmental perspective on their undergraduate or graduate studies. A booklet describing courses available can be obtained by writing:

Boston College Environmental Center
35 Commonwealth Avenue
Chestnut Hill, Massachusetts 02167

Institute of Judaic Studies

Rev. Thomas P. O'Malley, S.J., S.T.L., D.Litt.
Chairman, Department of Theology

David Neiman, Rabbi, A.M., Ph.D.
Associate Professor of Theology
Director, Institute of Judaic Studies

The Institute of Judaic Studies at Boston College was organized as a division within the Department of Theology, to provide an area of concentration for undergraduate students who would choose to concentrate in the area of Judaism and Jewish Studies.

Courses in Jewish Theology, Jewish History, Hebrew Language and Literature, and Biblical Studies will be offered within the program of the Institute of Judaic Studies.

Students of the Institute will be encouraged to pursue an interdepartmental program of studies in Judaica and related fields under the guidance of the director and the faculty of the Institute. Students in the Institute of Judaic Studies program must meet the requirements of the Department of Theology and earn their degrees in the department, which will be their major area of study.

Competence in the reading and comprehension of the Hebrew Language is a requisite for completion of the program in Judaic Studies. Successful completion of a final comprehensive examination and a research paper on a topic in Judaic Studies indicating competence in the handling of original source material will be required for completion of the program of the Institute of Judaic Studies.

The Sylvia Engel Scholarship Fund

Under the terms of a fund given to the Institute of Judaic Studies by Messrs. Jean Sisson and Frank Kozol in the name of the late Sylvia Engel, a scholarship fund derived from its annual income was established for students of Boston College majoring in Judaic Studies.

For the academic year 1972-1973, the fund will provide two scholarships of approximately \$1200 each for students applying for admission to the program. The students will be awarded the scholarships on the basis of their academic ability and in view of their financial need.

Courses in the Institute of Judaic Studies

Theology 001—Introductory Biblical Hebrew	Donovan
Theology 003—Biblical Hebrew	Donovan
Theology 010—Principles of Jewish Theology	Neiman
Theology 021—Introduction to the Old Testament	Connor
Theology 025—Major Prophets of the Old Testament	Connor
Theology 031—Archaeology of the Bible	Neiman
Theology 305—Jewish Background to the New Testament	Neiman
Theology 620—Sociology of Religion	Steeman
Theology 625—Sociology of American Religion	Steeman
By Arrangement—Advanced Hebrew (3rd year Hebrew)	The Department
By Arrangement—Rapid Reading in Hebrew Bible	The Department

An agreement with the Hebrew College of Brookline provides for the exchange of credits between Boston College and Hebrew College. Any student registered in a regular program in the College of Arts and Sciences may take courses at the Hebrew College by filling out a cross registration form. There are no tuition charges for courses taken by Boston College students at Hebrew College. For available courses and cross registration procedure, students should apply to the director of the Institute of Judaic Studies.

Program for the Study of Peace and War

Director: James Halpin, S.J. Gasson Hall, Room 109
Assistant Director: Kenneth W. Wadoski

The Program for the Study of Peace and War is a rapidly growing center for peace-war research in the Boston area, with many inter-university affiliations. By stressing an interdisciplinary approach, students will be enabled to explore from myriad points of view the implications of issues related to peace and war. Of particular interest for the coming academic year is an eighteen credit, two semester course, involving four departments, which is designed to deal with the question of freedom and human rights under a system of government.

During the course of the year, students and faculty will be invited to attend special seminars and a series of weekend teach-ins designed to develop a greater awareness and reality of problems related to peace and war. In the planning are a journal for peace studies and a summer seminar which will bring to-

gether individuals from all over the country to study and work together on problems of common interest. In addition, the program will sponsor faculty colloquia, a film and lecture series, and a variety of symposia. Announcements of such events will be made regularly during the course of the year.

Students who intend a concentration in the program in addition to their degree major, or intend to take several courses in the program, are invited to arrange an interview with either the Director or Assistant Director. The courses are listed below; for more detailed description see the departmental listings in this *Bulletin*.

Classical Studies

Cl 208-209	
Hs 163-164—History of Rome	Gill

Economics

Ec 357—Political EconomicsI	Bluestone
Ec 358—Topics in Modern Political Economics	Bluestone

English

En 215—The Literature of Utopia	Randall
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Germanic Studies

Gm 263—War and Peace in Modern German Literature and Thought	Eykman
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History

Hs 117—Europe of the Dictators	Murphy
Hs 147—Comparative Socialist Revolutions	Weiler
Hs 271—Seminar: Revolution and Counter-Revolution in Contemporary Europe (Section 01)	deGarmo
Hs 272—Seminar: Cities During Revolution (Section 01)	Van Doren
Hs 272—Seminar: Origins of Local Militia Units (Section 02)	Criscenti
Hs 502—The American Revolution	Criscenti
Hs 508—House Divided	O'Connor
Hs 535—The New Deal and World War II	Johnson
Hs 536—The United States in the Atomic Age	Johnson
Hs 551—History of American Foreign Policy 1776-1914	Graff
Hs 552—History of American Foreign Policy 1914 to the Present	Graff
Hs 561-562—A History of Race in America	Buni

Philosophy

Pl 009—Philosophy of Value	Saladay
Pl 534—Community and Law	Blanchette
Pl 540—Education and Revolution	Blanchette

Physics

Ph 281—War, Peace, and Science in the Atomic Age	Uritan/Girvan
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Political Studies

Po 051—An Introduction to the Study of Politics	Lowenthal
Po 319—National Security Policy	Hafner
Po 320—Legal Process	Serns
Po 413—Crisis Politics: Violence, Revolution and War	Carlisle
Po 501—International Politics & Organization	Milenky
Po 505—American Foreign Policy	Woetzel
Po 510—Comparative Foreign Policies	Woetzel

Po 611—Nature and Politics	Devine
Po 618—The Philosophy of Law	Devine
Po 661—Psychology and Ethics	Faulkner

Psychology

Ps 032—Intro-Behavior in the Human Community	To be announced
Ps 047—Intro-Social Structure and Behavior	Banuazizi
Ps 145—Psychology of Social Movements	Riley
Ps 178—Psychology of Social Class	Ryan
Ps 250—Psychology and Social Problems	Banuazizi
Ps 277—Origins of Modern Social Class Systems	Fried
Ps 615—Intergroup Conflict	Horwitz

Sociology

Sc 173—The Kibbutz	Malec/Gitlin
Sc 525—Sociology of Nonviolent Action	Wadoski

Speech Communication and Theatre

Sa 120—Campaign Rhetoric 1972	Rohrer
Sa 210—Freedom of Speech and Press	Rohrer
Sa 215—Rhetoric of Contemporary Dissent	The Department
Sa 225—Propaganda and a War Climate	Lawton

Theology

Th 119—Dissent & Community in the Early Church	Schatkin
Th 278—Christian Attitudes toward War & Peace (Sections 01 and 02)	Daly
Th 296—Theology of Social Conflict	Misner
Th 421—Early Christian & Medieval Political Theology	Fortin
Th 490—Contemporary American Spirituality	Healey
Th 563—War and Peace: The Christian Context	Halpin
Th 685—The Third World & Theology of Liberation	Fitzpatrick

The PULSE Program

The PULSE Program began as a response to student demands for greater relevancy by attempting to correlate courses and social action projects. The program has refined those initial, vague directions into a program with definite orientation.

Through theoretical considerations in courses, and through social action projects, the PULSE Program aims to develop in students:

1. an increasingly critical understanding of social problems, and
2. increasingly sophisticated skills in social action and change.

“AN INCREASINGLY CRITICAL UNDERSTANDING OF SOCIAL PROBLEMS”

Through academic courses, students will be challenged to take a critical perspective on their culture; to examine the significance of meanings and values, myths and structures for “being human”; to raise questions of authenticity; to examine the social and historic impact of social change. Sequences of courses are offered by the Philosophy and Theology Departments. More specialized courses in other departments will follow.

This broadening perspective will facilitate students involved in social change by giving them an awareness of the complexity and implications of their task.

"INCREASINGLY SOPHISTICATED SKILLS IN SOCIAL ACTION AND CHANGE"

In some twenty field projects, the PULSE Program offers a range of encounters with social problems through attempts at solution. The program differs from most college social action groups in its attempts to go beyond traditional types of student involvements, and demands of students greater commitments. Such projects as Big Brother/Sister, Tutoring, and projects for multiply-handicapped children constitute *initiatory* experiences, where students are confronted with the social problems making these types of services necessary. The vast majority of PULSE projects are efforts to attack social problems themselves and change the conditions under which they arise.

Some of the on-going projects are:

JOSHUA CENTER—a student-run problem center

PROJECT REENTRY—assists soon-to-be-released, drug dependent inmates

FINANCING HOUSING DEVELOPMENT—develops funding prototypes for use by community groups to renovate and construct low-income housing

UNITED FUND REFORM—proposes and brings about alternatives to current fund allocations

SOUTH BOSTON COMMUNITY LIBRARY—works with existing community groups to develop a library resource

ALLSTON-BRIGHTON COMMUNITY TENANTS UNION—organizes tenants into a union to deal with housing problems

CAMPUS SCHOOL FOR MULTIPLY-HANDICAPPED CHILDREN—offers opportunities in special education

(Projects designed by individual students may become acceptable for the program through approval of the PULSE Council)

Each of these projects requires of a student skills peculiar to the project—legal research skills, knowledge of health and psychiatric resources, community organizing, book cataloging. In addition, as a whole, participation in these projects can be most effective when students possess skills in social change—planning, communicating, group cooperation, conflict management. The PULSE Program provides a broad range of opportunities for acquiring such skills, and hopes the student will be serious enough about work in his project to take advantage of these offerings.

Students may enter the PULSE Program as freshmen and continue through their senior year. They may participate in the same project over several semesters or move to projects treating more complex problems in conjunction with their PULSE courses. They may also work in projects on a voluntary basis. The PULSE courses are listed below; and for more detailed descriptions, see the department listings in this *Bulletin*.

Philosophy

THE CORE

PI 006—Man in Cultural Conflict

PI 008—Social Reality

Department

Valone

ELECTIVES

Pl 230—Community and Human Relations	Department
Pl 233 (Sc 163)—Values in Health and Welfare	Department
Pl 234—Society and Economy	Flanagan
Pl 235—Philosophy of Community I	Flanagan
Pl 236—Philosophy of Community II	Valone
Pl 237—Philosophy of Social Change	Blanchette

Psychology

Ps 250—Psychology and Social Problems	Banuazizi
Ps 251—Seminar in Community Mental Health	Liem

Sociology

Sc 163 (Pl 233)—Values in Health and Welfare	Department
Sc 199—Problems in Juvenile Delinquency	Alper

Theology

Th 296—Theology of Social Conflict	Misner
Th 579—Future of Christianity	Lawrence

Slavic and East European Center

Director: Raymond T. McNally

Associate Director: Thomas J. Blakeley

The Slavic and East European Center at Boston College has been designed in order to encourage students to participate in an interdepartmental program of Russian and East European studies on the undergraduate as well as graduate level. This Center is being supported by the U.S. Office of Education under the National Defense Education Act (Title VI). For 1972-73, the Center has awarded two NDEA fellowships to graduate students pursuing area studies.

The Center cultivates a special interest in comparative social theory, which embraces the study of Marxist philosophy, Communist ideology, political theory, and economic systems. The long-range aim is to coordinate and expand course offerings in Russian and East European history, economics, political science, languages, literature, philosophy, sociology, and education in order to present students with a wide and varied range of courses in this area of study.

This program is specifically set up to help to prepare student for work in government agencies, research, college teaching, and foreign trade.

It should be clear to the students entering this program that it is an interdepartmental program. It is in no sense a substitute for departmental requirements. Students must still earn their degrees by meeting their departmental requirements. The Certificate from the Center will be granted to students in addition to the degrees which they have earned in history, economics, political science, languages, literature, philosophy, or education. The candidate for the Certificate is required to offer a thesis on a subject relating to the area study.

A mastery of Russian or a substitute East European language is required to receive a Certificate.

A list of courses encompassed by the Center program is offered below.

Special Interdepartmental Course

Un 212—Perspectives on Marxism

This is a three-credit, interdisciplinary course to be taught by several professors and sponsored by the Slavic and East European Center. The course is

designed to introduce students to the fundamental problems involved in the study of the theory and practice of Marxism.

By concentrating on the essential elements the teaching team, composed of an economist, a political scientist, a philosopher, a linguist, an educator, a specialist in literature, and an historian, will present a coherent overview, enabling the student to gain an understanding of the Marxist phenomenon from all the major perspectives and providing an orientation for planning further study of the questions raised by this important movement.

Emphasis will be placed on the continuity and change evidenced in the development of Marxism from its origins to its Leninist and Maoist actualizations on the contemporary international scene. Occasional seminars and guest lecturers will be scheduled as needed.

First semester

Various Professors associated with the Center

Departmental Courses

SLAVIC LANGUAGES AND LITERATURE

GENERAL LINGUISTICS

- SI 311—General Linguistics
- SI 312—Indo-European Languages
- SI 313—Structural Poetics
- SI 325—Historical Linguistics
- SI 326—Linguistic Theory
- SI 327—Sanskrit
- SI 328—Classical Armenian
- SI 392—Tutorial: General Linguistics
- SI 792—Linguistics: Readings and Research

SLAVIC LINGUISTICS

- SI 315—The Czech Language
- SI 316—Old Church Slavonic
- SI 317—Old Russian
- SI 322—Structure and History of Russian
- SI 323—The Bulgarian Language
- SI 324—The Serbo-Croatian Language
- SI 394—Tutorial: Slavic Linguistics
- SI 794—Slavic Linguistics: Readings and Research

RUSSIAN LANGUAGE AND LITERATURE

- SI 001-002—Russian Language and Culture
- SI 003-004—Elementary Russian
- SI 005-006—Elementary Intensive Russian
- SI 011-012—Russian Practicum—Elementary
- SI 013-014—Elementary Russian Conversation
- SI 051-052—Intermediate Russian
- SI 053-054—Intermediate Intensive Russian
- SI 055-056—Advanced Russian Conversation
- SI 201—Culture and Literature of Medieval Russia
- SI 203—Survey of 19th Century Russian Literature
- SI 204—Survey of 20th Century Russian Literature
- SI 205—Tolstoy and Dostoevsky (Eng.)
- SI 208-209—Advanced Russian

- Sl 303-304—Applied Russian Style
- Sl 305—History of the Russian Literary Language
- Sl 306—Russian Literary Research
- Sl 307—Russian Drama
- Sl 308—Dostoevskij and Tolstoj
- Sl 309—Seminar: 19th Century Russian Poetry
- Sl 310—Seminar: 20th Century Russian Poetry
- Sl 318—Style in Russian Literature
- Sl 319—Russian Poetry
- Sl 320—Pushkin and Gogol'
- Sl 321—Turgenev and Contemporaries
- Sl 390—Tutorial: Russian Language
- Sl 391—Tutorial: Russian Literature
- Sl 790—Russian Language: Readings and Research
- Sl 791—Russian Literature: Readings and Research

HISTORY

RUSSIA

- Hs 455—Russian History from 1801 to 1917
- Hs 456—The Soviet Union: 1917 to the Present

EASTERN EUROPE

- Hs 170—Byzantine Empire
- Hs 451—Eastern Europe Between the Wars
- Hs 452—Contemporary Problems in Eastern Europe, 1939 to the Present
- Hs 751—Rise of Nationalism in the Balkans
- Hs 952—Seminar: Contemporary Problems in Eastern Europe
- Hs 858—Colloquium on Modern Europe

ECONOMICS

- Ec 897—Soviet Economics Systems
- Ec 898—Comparative Economic Systems

PHILOSOPHY

- Pl 210—Contemporary Marxism
- Pl 280—Slavery and Freedom
- Pl 501—Marx and Schelling
- Pl 502—Russian Cultural Philosophy
- Pl 503—Seminar in Marxism
- Pl 504—Marx and Social Philosophy Today
- Pl 915—Dialectical Materialism

POLITICAL SCIENCE

- Po 409—Soviet Political Institutions
- Po 414—Government and Politics of East Central Europe
- Po 415—Chinese Political Institutions
- Po 416—Politics and Literature: The Russian Experience
- Po 506—Soviet Foreign Policy
- Po 507—International Communist Movements
- Po 508—Sino-Soviet Relations
- Po 660—Seminar: Thoughts of Mao Tse-Tung
- Po 775—Topics in Soviet Politics

SOCIOLOGY

Sc 717—Critiques of Social Theory

Urban Affairs Program

The Urban Affairs Program is designed to introduce the student to the analysis of the complex problems of the American city, including those of race relations, crime, poverty, welfare programs, housing, and finance. The program aims to bring together insights from each of the social sciences in an effort to arrive at a greater understanding of the problems in our cities. Students majoring in any of the five social science departments—Economics, History, Political Science, Psychology, and Sociology—may apply to the chairman of his major department for admission to the program.

A student in the Urban Affairs Program will receive a certificate attesting to his completion of the requirements of the program, in addition to his degree in his major. The requirements of the program are as follows: a minimum of 18 credits in his major department and 12 credits in courses on urban problems offered in at least two social science departments other than his own major department chosen from the list below. Each of the social science departments has an advisor for the Urban Affairs Program and each student's program of courses must be approved by his advisor.

In addition, it is recommended that the student take, at some point, the course in his major department whose central focus is urban problems, e.g., urban politics. It is anticipated that the members of these courses will meet in joint sessions to exchange methodologies, data, and perspective. The courses will be offered the second semester of the school year.

The Urban Affairs Program is sponsored and directed by the Council of Social Sciences—composed of representatives of the five Social Sciences. A preliminary list of course offerings for the Urban Affairs Program are listed below. Other courses may be approved by the departmental advisor for Urban Affairs.

Economics

Ec 191—Urban Affairs Seminar	Wallace
Ec 366—Fiscal Policy	Tresch
Ec 367—Inflation, Unemployment & Poverty: The Role of Government	Woglom
Ec 381—Labor and the Public Interest	White
Ec 394—Economic Problems of the City	Wallace

History

Hs 191—Urban Affairs Seminar	Wakstein
Hs 404—Urbanization in Preindustrial Europe	VanDoren
Hs 561-562—History of Race in America	Buni
Hs 565—Urbanization of America	Wakstein

Political Science

Po 305—State and Local Politics	Brazier
Po 311—Urban Politics	The Department
Po 412—Comparative Urban Politics	Brazier

Psychology

Ps 131—Social Psychology	The Department
Ps 178—Psychology of Social Class	Ryan
Ps 220—Psychology & Social Problems	Banuazizi

Sociology

Sc 122—Criminology	Alper
Sc 123—Juvenile Delinquency and the Children's Court	Alper
Sc 140—Minority Group Relations	Leventman
Sc 163—Values in Health and Welfare	The Department
Sc 175—Urban Society	Lowenthal

Administrative and Faculty Directories

The College of Arts and Sciences

Officers of Academic Administration

(To be appointed), *Dean*

Henry J. McMahon, A.M., *Associate Dean*

Albert M. Folkard, A.M., *Director of the Honors Program*

F. Clifford McElroy, A.M., M.L.S., *Science Librarian*

Weston M. Jenks, Jr., A.M., M.Ed., *Director of Counseling and Guidance*

David John Smith, Ph.D., *Assistant Director of Counseling and Guidance*

John P. Hennessey, Jr., M.Ed., *College Counselor*

James Halpin, S.J., *Student Counselor; Director of the Program for the Study of
Peace and War*

Educational Policy Committee

Dean (*ex officio*)

Alice Bourneuf, *Professor, Economics* (1974)

Robert Faulkner, *Associate Professor, Political Science* (1975)

Stephen Fix, *A&S '74* (1973)

Albert M. Folkard, *Assistant Professor, Director of the Honors Program
(ex officio)*

John L. Heineman, *Associate Professor, History* (1973)

Kathryn Hyer, *A&S '75* (1973)

Weston M. Jenks, *Assistant Professor, Director of Counseling (ex officio)*

John McDonough, *A&S '75* (1973)

Henry J. McMahon, *Assistant Professor, Associate Dean (ex officio)*

Richard T. Murphy, *Associate Professor, Philosophy* (1975)

Charles L. Regan, *Assistant Professor, English* (1974)

Mark Rowland, *A&S '73* (1973)

Paul R. Thie, *Assistant Professor, Mathematics* (1973)

John R. Trzaska, S.J., *Assistant Professor, Chemistry* (1974)

Rein A. Uritam, *Assistant Professor, Physics* (1975)

Thomas E. Wangler, *Assistant Professor, Theology* (1973)

(Year denotes expiration of term)

Faculty

Frederick J. Adelmann, S.J., *Professor of Philosophy*
A.B., A.M., Boston College
S.T.L., Weston College
Ph.D., Saint Louis University

- Irina Agushi, *Associate Professor of Slavic and Eastern Languages*
 B.A., University of Melbourne
 M.A., Indiana University
 Ph.D., Harvard University
- Benedict S. Alper, *Visiting Professor in Sociology*
 A.B., Harvard University
- James E. Anderson, *Associate Professor of Economics*
 A.B., Oberlin College
 Ph.D., University of Wisconsin
- Joseph Appleyard, S.J., *Associate Professor of English*
 A.B., Boston College
 Ph.D., Harvard University
- Norman Araujo, *Associate Professor of Romance Languages and Literatures*
 A.B., A.M., Ph.D., Harvard University
- Maria L. Bade, *Associate Professor of Biology*
 B.S., M.S., University of Nebraska
 Ph.D., Yale University of Medical School
- Daniel J. Baer, *Associate Professor of Psychology*
 A.B., LaSalle College
 A.M., Ph.D., Fordham University
- John H. Baker, *Assistant Professor of Fine Arts*
 A.B., Clark University
 A.M., Ph.D., Brown University
- Pradip M. Bakshi, *Research Associate Professor of Physics*
 B.S., University of Bombay
 A.M., Ph.D., Harvard University
- Paul T. Banks, *Assistant Professor of Mathematics*
 A.B., A.M., Boston College
- Ali Banuazizi, *Associate Professor of Psychology*
 B.S., University of Michigan
 M.A., The New School of Social Research
 Ph.D., Yale University
- Joseph L. Barrett, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
 M.S., College of the Holy Cross
 S.T.L., Weston College
- Robert L. Becker, *Associate Professor of Physics*
 B.S., Missouri School of Mines
 M.S., Ph.D., University of Wisconsin
- Steven D. Beggs, *Assistant Professor of Economics*
 A.B., Carlton College
 Ph.D., Massachusetts Institute of Technology
- John J. Begely, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
 S.T.D., Gregorian University
- David A. Belsley, *Associate Professor of Economics*
 A.B., Haverford College
 Ph.D., Massachusetts Institute of Technology
- O. Francis Bennett, *Associate Professor of Chemistry*
 B.S., Bridgewater State Teachers College
 M.S., Boston College
 Ph.D., Pennsylvania State University

- Norman H. Berkowitz, *Associate Professor of Psychology*
 A.B., University of Massachusetts at Amherst
 A.M., Ph.D., Boston University
- Stanley Bezuska, S.J., *Professor of Mathematics; Director, Mathematics Institute*
 A.B., A.M., M.S., Boston College
 S.T.L., Weston College
 Ph.D., Brown University
- * Raymond G. Biggar, *Assistant Professor of English*
 A.B., Bowdoin College
 A.M.T., Harvard University
 Ph.D., University of Wisconsin
- E. Joseph Billo, Jr., *Assistant Professor of Chemistry*
 B.S., M.S., Ph.D., McMaster University
- Gerold G. Bilodeau, *Professor of Mathematics*
 A.B., University of Maine
 A.M., Ph.D., Harvard University
- Joseph T. Bivins, *Instructor of Sociology*
 A.B., Michigan State University
 M.A., Harvard University
 (cand.) Ph.D., Harvard University
- Thomas J. Blakeley, *Professor of Philosophy*
 A.B., Sacred Heart Seminary
 Ph.D., University of Fribourg
- Oliva Blanchette, S.J., *Associate Professor of Philosophy*
 A.B., A.M., Boston College
 Ph.L., St. Alban de Louvain
 S.T.L., Weston College
 Ph.D., Laval University
- Jan Blits, *Instructor of Political Science*
 A.B., St. John's College
 M.A., (cand.) Ph.D., The New School for Social Research
- Barry A. Bluestone, *Instructor of Economics*
 A.B., A.M., (cand.) Ph.D., University of Michigan
- ** Heinz Bluhm, *Professor of Germanic Studies; Chairman of the Department*
 A.B., Northwest College
 A.M., Ph.D., University of Wisconsin
 A.M., (Hon.), Yale University
- Emanuel G. Bombolakis, *Associate Professor of Geology and Geophysics*
 B.S., M.S., Colorado School of Mines
 Ph.D., Massachusetts Institute of Technology
- Joseph Bornstein, *Professor of Chemistry*
 B.S., Boston College
 Ph.D., Massachusetts Institute of Technology
- Alice E. Bourneuf, *Professor of Economics*
 A.B., A.M., Ph.D., Radcliffe College
- Gary P. Brazier, *Associate Professor of Political Science; Director of Residential Life*
 B.S., Southern Illinois University
 Ph.D., University of Minnesota

* Sabbatical Leave, 1972-1973.

** Sabbatical Leave, Second Semester, 1973.

- Robert S. Brightman, *Assistant Professor of Theology*
 A.B., Swarthmore College
 S.T.B., Boston University School of Theology
 Ph.D., Boston University
- * Edward M. Brooks, *Professor of Geology and Geophysics*
 A.B., Harvard University
 M.S., D.Sc., Massachusetts Institute of Technology
- George D. Brown, Jr., *Associate Professor of Geology and Geophysics;
 Chairman of the Department*
 B.S., Saint Joseph's College
 M.S., University of Illinois
 Ph.D., Indiana University
- * Christopher J. Bruell, *Assistant Professor of Political Science*
 A.B., Cornell University
 A.M., Ph.D., University of Chicago
- Gert Bruhn, *Assistant Professor of Germanic Studies*
 A.B., University of British Columbia
 A.M., Ph.D., Princeton University
- Severyn T. Bruyn, *Professor of Sociology*
 A.B., A.M., Ph.D., University of Illinois
- Andrew Buni, *Associate Professor of History*
 A.B., A.M., University of New Hampshire
 Ph.D., University of Virginia
- * William J. Burke, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
 S.T.D., Georgetown University
- Eugene W. Bushala, *Associate Professor of Classical Studies*
 A.B., Wayne State University
 A.M., Ph.D., Ohio State University
- Robert J. Cahill, *Assistant Professor of Germanic Studies*
 A.B., A.M., Boston College
 A.M., Ph.D., Boston University
- Edward R. Callahan, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
 S.T.D., Gregorian University
- Henry A. Callahan, S.J., *Assistant Professor of History*
 A.B., Boston College
 A.M., Saint Louis University
 Ph.L., S.T.L., Weston College
- Donald S. Carlisle, *Associate Professor of Political Science*
 A.B., Brown University
 Ph.D., Harvard University
- Edmund H. Carnevale, *Adjunct Professor of Physics*
 B.S., M.S., Boston College
 Ph.D., Catholic University of America
- Robert L. Carovillano, *Professor of Physics; Chairman of the Department*
 A.B., Rutgers University
 Ph.D., Indiana University

* Sabbatical Leave, 1972-1973.

- David F. Carroll, S.J., *Assistant Professor of Theology*
 A.B., College of the Holy Cross
 A.M., Boston College
- Rose (Ring) Carroll, *Associate Professor of Mathematics; Assistant Chairman of the Department*
 A.B., Emmanuel College
 A.M., Boston College
 Ph.D., Brown University
- Normand R. Cartier, *Professor of Romance Languages and Literatures*
 A.B., Assumption College
 A.M., Columbia University
 A.M., Ph.D., Harvard University
- James J. Casey, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Joseph H. Casey, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
 A.M., Fordham University
 S.T.L., Weston College
 Ph.D., Gregorian University
- Sister Mary Rosina Casey, *Instructor of Music*
 Mus.B., Boston University
 Mus.M., Catholic University
- Leonard R. Casper, *Professor of English*
 A.B., A.M., Ph.D., University of Wisconsin
- John F. Caulfield, S.J., *Assistant Professor of Mathematics*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Joseph R. Cautela, *Professor of Psychology*
 A.B., Boston College
 A.M., Ph.D., Boston University
- Joseph H. Chen, *Associate Professor of Physics*
 B.S., Saint Procopius College
 Ph.D., University of Notre Dame
- Li-Li Chen, *Associate Professor of Slavic and Eastern Languages*
 A.B., Wilson College
 A.M., Radcliffe College
 Ph.D., Harvard University
- Robert J. Cheney, S.J., *Assistant Professor of Economics*
 A.B., Ph.L., A.M., Saint Louis University
 S.T.L., Weston College
 Ph.D., Georgetown University
- Dae-Hyun Chung, *Professor of Geology and Geophysics, and Physics; Director, Weston Observatory*
 B.S., M.S., Alfred University
 Ph.D., Pennsylvania State University
- Edward J. Collins, *Assistant Professor of History*
 A.B., Boston College
 A.M., Ph.D., Harvard University
- Michael J. Connolly, *Assistant Professor of Slavic and Eastern Languages; Chairman of the Department*
 A.B., Boston College
 Ph.D., Harvard University

- Joseph J. Connor, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Joseph T. Criscenti, *Associate Professor of History*
 Ph.B., University of Detroit
 A.M., Ph.D., Harvard University
- * Brian J. Cudahy, *Associate Professor of Philosophy*
 A.B., Cathedral College in New York
 A.M., Ph.D., Saint Bonaventure University
- David R. Cummiskey, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
- Adele M. Dalsimer, *Assistant Professor of English*
 A.B., Mt. Holyoke College
 M.S., Hunter College
 Ph.D., Yale University
- ** Mary Daly, *Associate Professor of Theology*
 A.B., College of St. Rose in Albany
 A.M., Catholic University
 S.T.L., S.T.D., Ph.D., University of Fribourg
- Robert Daly, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 A.M., Catholic University
 Th.D., University of Würzburg
- William M. Daly, *Professor of History*
 A.B., A.M., Boston College
 Ph.D., Brown University
- André Lucien Danière, *Associate Professor of Economics;*
Research Associate Professor, Institute of Human Sciences
 Baccalaureat, Lyons
 M.S., University of Massachusetts
 Ph.D., Harvard University
- * Carroll Dawes, *Assistant Professor of Speech Communication and Theatre*
 A.B., University of West Indies
 Ph.D., Yale University
- André J. deBethune, *Professor of Chemistry*
 B.S., St. Peter's College
 Ph.D., Columbia University
- Peter H. de Garmo, *Instructor of History*
 A.B., University of California at Berkeley
 A.M., San Jose State College
 (cand.) Ph.D., University of California at Davis
- Michael S. DeLucia, *Assistant Professor of History*
 B.S., Georgetown University
 Ph.D., Brown University
- Martha Derthick, *Associate Professor of Political Science*
 A.B., Hiram College
 A.M., Ph.D., Radcliffe College
- John F. Devane, S.J., *Assistant Professor of Geology and Geophysics*
 A.B., A.M., Boston College
 M.S., Fordham University
 (cand.) Ph.D., Pennsylvania State University

* Leave of Absence, 1972-1973.

** Sabbatical, First Semester, 1972; Leave of Absence, Second Semester, 1973.

- J. Francis Devine, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 Ph.L., Weston College
 S.T.L., Bellarmine School of Theology in Chicago
- Francis Devine, *Assistant Professor of Political Science*
 A.B., Harvard College
 M.A., Ph.D., Syracuse University
- Baldassare Di Bartolo, *Associate Professor of Physics*
 Dott. Ing., University of Palermo
 Ph.D., Massachusetts Institute of Technology
- Paul C. Doherty, *Associate Professor of English;*
Assistant Chairman of the Department
 A.B., College of the Holy Cross
 A.M., Boston University
 Ph.D., University of Missouri
- John D. Donoghue, S.J., *Assistant Professor of Philosophy*
 A.B., College of the Holy Cross
 A.M., Boston College
 Ph.L., S.T.L., Weston College
- Jeremiah J. Donovan, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
- * John D. Donovan, *Professor of Sociology*
 A.B., A.M., Boston College
 Ph.D., Harvard University
- Sterling Dow, *Visiting Distinguished Professor of Classical Studies*
 A.B., A.M., Ph.D., Harvard University
 L.L.D. (Hon.), University of California
 D. Hum. Lett. (Hon.), Boston College
- ** Priscilla Dudley, *Assistant Professor of Geology and Geophysics*
 A.B., Bryn Mawr
 Ph.D., University of California at Berkeley
- William J. Duffy, *Assistant Professor of Economics*
 A.B., Saint Vincent College
 A.M., Ph.D., University of Pittsburgh
- P. Albert Duhamel, *Philomatheia Professor of English*
 A.B., Colleges of the Holy Cross
 A.M., Boston College
 Ph.D., University of Wisconsin
- Vincent F. Dunfey, *Assistant Professor of Economics*
 A.B., A.M., Boston College
- Robert H. Eather, *Adjunct Associate Professor of Physics*
 B.Sc., Newcastle, University College of the
 University of New South Wales
 Ph.D., University of New South Wales
- Jacqueline Enos, *Assistant Professor of Romance Languages and Literatures*
 A.B., University of Massachusetts
 A.M., Radcliffe College
 Ph.D., Harvard University
- Christoph Eykman, *Associate Professor of Germanic Studies*
 Ph.D., Rhein. Friedr. Wilhelm Universität, Bonn

* Sabbatical Leave, Second Semester 1971-1972.

** Leave of Absence, 1972-1973.

- Augustus J. Fabens, *Associate Professor of Mathematics*
 A.B., Harvard University
 Ph.D., Stanford University
- Richard L. Faber, *Associate Professor of Mathematics*
 B.S., Massachusetts Institute of Technology
 A.M., Ph.D., Brandeis University
- Pao-Hsien Fang, *Research Professor of Physics*
 B.S., M.S., Ohio State University
 Ph.D., Catholic University of America
- Robert K. Faulkner, *Associate Professor of Political Science*
 A.B., Dartmouth College
 A.B., Oxford University
 A.M., Ph.D., University of Chicago
- Miles L. Fay, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 Ph.L., S.T.L., Weston College
- Walter J. Feeney, S.J., *Associate Professor of Philosophy and Mathematics;*
Graduate Study Advisor
 A.B., A.M., Boston College
 S.T.L., Weston College
 M.S., Ph.D., Catholic University of America
- Penny Feldman, *Instructor of Political Science*
 A.B., Radcliffe
 A.M., (cand.) Ph.D., Harvard University
- Anne D. Ferry, *Professor of English*
 A.B., Vassar College
 A.M., Ph.D., Columbia University
- Joseph Figurito, *Associate Professor of Romance Languages and Literatures*
 A.B., Boston College
 A.M., D.M.L., Middlebury College
- Walter J. Fimian, Jr., *Associate Professor of Biology*
 A.B., University of Vermont
 M.S., Ph.D., University of Notre Dame
- John F. Fitzgerald, S.J., *Assistant Professor of Physics*
 A.B., A.M., Boston College
 S.T.L., Weston College
 M.S., University of Detroit
- John J. Fitzgerald, *Associate Professor of English*
 A.B., A.M., Boston College
 A.M., Ph.D., Fordham University
- Thomas Fitzpatrick, S.J., *Assistant Professor of Theology*
 A.B., Boston College
 A.M., Weston College
 Th.D., University of Innsbruck
- Rev. Msgr. Walter L. Flaherty, *Adjunct Professor of Speech Communication*
and Theatre
 A.B., St. John's Seminary
 S.T.L., Gregorian Institute, Rome
- Joseph F. X. Flanagan, S.J., *Associate Professor of Philosophy;*
Chairman of the Department
 A.B., A.M., Boston College
 S.T.L., Weston College
 D.D.S., Washington University
 Ph.D., Fordham University

- Radu R. Florescu, *Assistant Professor of History*
 A.B., A.M., B.Litt., Oxford University
 Ph.D., Indiana University
- Monique E. Fol, *Instructor of Romance Languages and Literatures*
 A.B., L.L.B., University of Paris
 A.M., (cand.) Ph.D., University of California at Berkeley
- Albert M. Folkard, *Assistant Professor of English;*
Director of the Honors Program
 A.B., A.M., Boston College
- Ernest L. Fortin, A.A., *Associate Professor of Theology*
 A.B., Assumption College
 S.T.L., University of St. Thomas, Rome
 Licentiate, University of Paris
 Doctorate, University of Paris
- Marc A. Fried, *Professor of Psychology*
 B.S., City College of New York
 Ph.D., Harvard University
- * Ann F. Friedlaender, *Professor of Economics*
 A.B., Radcliffe College
 Ph.D., Massachusetts Institute of Technology
- George R. Fuir, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Patricia Gadban, *Assistant Professor of Sociology*
 Ph.D., Harvard University
- Frederick P. Gardiner, *Assistant Professor of Mathematics*
 A.B., Harvard University
 Ph.D., Columbia University
- Joseph D. Gauthier, S.J., *Professor of Romance Languages and Literatures*
 B.S., Trinity College
 A.M., Boston College
 S.T.L., Weston College
 D.esL., Laval University
- Sandra Geer, *Assistant Professor, Psychology*
 B.A., Northeastern University
 M.A., Ph.D., University of Pennsylvania
- Donald Gertmenian, *Assistant Professor of English*
 A.B., A.M., Ph.D., Harvard University
- Mark Gibbons, *Instructor of English*
 A.B., Amherst College
 (cand.) Ph.D., Rutgers University
- Robert E. Gilbert, *Assistant Professor of Political Science*
 A.B., A.M., Fordham University
 Ph.D., University of Massachusetts
- David H. Gill, S.J., *Assistant Professor of Classical Studies;*
Acting Chairman of the Department
 A.M., M.A., Boston College
 Ph.D., Harvard University
 Lic. Theology, St. Georgen, Frankfurt-am-Main
- James J. Gilroy, *Associate Professor of Biology*
 B.S., University of Scranton
 M.S., Catholic University
 Ph.D., University of Maryland

* Leave of Absence, 1972-1973.

- Robert F. Girvan, *Assistant Professor of Physics*
B.S., M.S., Ph.D., Iowa State University
- Joseph A. Glavin, S.J., *Assistant Professor of History*
A.M., Boston College
S.T.B., Weston College
- George J. Goldsmith, *Associate Professor of Physics*
B.S., University of Vermont
M.S., Ph.D., Purdue University
- Rabbi Alert S. Goldstein, *Visiting Lecturer of Theology*
Jewish Chautauqua Society Lecturer
- Enrique A. Gonzales, *Assistant Professor of Mathematics*
A.B., University of Madrid
A.M., Ph.D., Brown University
- Frank Graff, *Assistant Professor of History*
A.B., Cornell University
A.M., Ph.D., University of Michigan
- Peter Gray, *Assistant Professor of Psychology*
A.B., Columbia University
Ph.D., Rockefeller University
- Thomas J. Grey, S.J., *Assistant Professor of History*
A.B., A.M., Boston College
A.M., Georgetown University
S.T.L., Weston College
- Jeanne Guillemin, *Instructor of Sociology*
A.B., Harvard University
A.M., (cand.) Ph.D., Brandeis University
- Guillermo L. Guitarte, *Professor of Romance Languages and Literatures*
Profesorado, Filosofía y Letrac, Buenos Aires
- M. Susan Gussenhoven, *Assistant Professor of Physics*
A.B., Mount Holyoke College
A.M., University of Minnesota
Ph.D., Boston College
- Donald L. Hafner, *Assistant Professor of Political Science*
A.B., Kalamazoo College
Ph.D., University of Chicago
- William J. Haggerty, Jr., *Associate Professor of Philosophy*
A.B., College of the Holy Cross
A.M., Boston College
Ph.D., Boston University
- Martin P. Harney, S.J., *Professor Emeritus of History*
A.B., A.M., Woodstock College
- Jeffrey C. Hart, *Instructor of Speech Communication and Theatre*
A.B., Tufts University
A.M., University of Pittsburgh
(cand.) Ph.D., University of Wisconsin
- Charles Healey, S.J., *Assistant Professor of Theology*
A.B., A.M., Boston College
S.T.L., Weston College
Th.D., Gregorian University
- John L. Heineman, *Associate Professor of History;*
Chairman of the Department
A.B., University of Notre Dame
A.M., Ph.D., Cornell University

- * Julien O. Hennefeld, *Assistant Professor of Mathematics*
 A.B., Harvard University
 Ph.D., Columbia University
- J. Christopher Hepburn, *Assistant Professor of Geology and Geophysics*
 A.B., Colgate University
 A.M., Ph.D., Harvard University
- Jocelyn N. Hillgarth, *Associate Professor of History*
 A.B., Queens College
 A.M., Ph.D., Cambridge University
- Edward L. Hirsh, *Professor of English*
 A.B., A.M., Ph.D., Yale University
- Lynda L. Holmstrom, *Assistant Professor of Sociology*
 B.S., Stanford University
 A.M., Boston University
 Ph.D., Brandeis University
- Murray Horwitz, *Professor of Psychology*
 B.S.S., College of the City of New York
 Ph.D., University of Michigan
- Everett C. Hughes, *Visiting Professor of Sociology*
 A.B., Ohio Wesleyan University
 Ph.D., University of Chicago
- Richard E. Hughes, *Professor of English*
 A.B., Siena College
 A.M., Boston College
 Ph.D., University of Wisconsin
- Thomas P. Hughes, *Assistant Professor of English*
 B.S., Fordham University
 A.M., Columbia University
- Diane Beth Hyman, *Assistant Professor of Romance Languages and Literatures*
 A.B., University of Michigan
 M.A., Ph.D., Harvard University
- Jack Jaffe, *Assistant Professor of Physics*
 B.S., City College of New York
 Ph.D., Massachusetts Institute of Technology
- Janet W. James, *Adjunct Associate Professor of History*
 A.B., Smith College
 M.A., Bryn Mawr
 Ph.D., Radcliffe College
- Roger T. Johnson, *Assistant Professor of History*
 A.B., Oberlin College
 A.M., Ph.D., University of Wisconsin
- Lawrence G. Jones, *Professor of Slavic and Eastern Languages*
 A.B., Lafayette College
 A.M., Columbia University
 Ph.D., Harvard University
- * W. Seavey Joyce, S.J., *Professor of Economics*
 A.B., A.M., Boston College
 A.M., Georgetown University
 S.T.L., Weston College
 Ph.D., Harvard University

- Gabor Kalman, *Research Professor of Physics*
D.Sc., Israel Institute of Technology
- Paul Kardos, *Instructor of Romance Languages and Literatures*
Bacc., Bordeaux
Propedeutique, Bordeaux
A.M., University of Miami
(cand.) Ph.D., Harvard University
- David A. Karp, *Instructor of Sociology*
A.B., Harvard College
(cand.) Ph.D., New York University
- * Louis O. Kattsoff, *Professor of Mathematics*
A.B., A.M., Ph.D., University of Pennsylvania
- T. Ross Kelly, *Assistant Professor of Chemistry*
B.S., Holy Cross College
Ph.D., University of California at Berkeley
- Margaret J. Kenney, *Assistant Professor of Mathematics*
B.S., A.M., Boston College
- John H. Kinnier, S.J., *Assistant Professor of Physics*
B.S., A.B., A.M., Boston College
M.S., Catholic University of America
S.T.L., Weston College
- D. Edward Knox, *Instructor of History*
A.B., Greenville College
A.M., Harvard University
(cand.) Ph.D., Michigan State University
- Pavel Kovaly, *Associate Professor of Philosophy*
Ph.D., Charles University, Prague
- Marvin Kraus, *Instructor of Economics*
B.S., Purdue University
(cand.) Ph.D., University of Minnesota
- Joseph F. Krebs, *Assistant Professor of Mathematics*
A.B., A.M., Boston College
- Peter J. Kreeft, *Associate Professor of Philosophy*
A.B., Calvin College
A.M., Ph.D., Fordham University
- Edward Krupat, *Assistant Professor of Psychology*
A.B., New York University
Ph.D., University of Michigan
- George T. Ladd, *Assistant Professor of Geology and Geophysics*
B.S., State University College at Oswego, New York
M.A.T., Ed.D., Indiana University
- Archille J. Laferriere, *Assistant Professor of Mathematics*
A.B., A.M., Boston College
- Joseph M. Larkin, S.J., *Assistant Professor of Speech Communication and Theatre*
A.B., Boston College
A.M., Catholic University of America
S.T.B., Weston College
- R. Alan Lawson, *Associate Professor of History*
A.B., Brown University
A.M., University of Wisconsin
Ph.D., University of Michigan

* Sabbatical, First Semester, 1972.

- John Henry Lawton, *Professor of Speech Communication and Theatre;
Chairman of the Department*
A.B., Emerson College
A.M., Boston College
Ph.D., State University of Iowa
- Robert J. LeBlanc, *Assistant Professor of Mathematics*
A.B., A.M., Boston College
- Vera G. Lee, *Associate Professor of Romance Languages and Literatures*
A.B., Russell Sage College
A.M., Yale University
Ph.D., Boston University
- Robert Leffingwell, *Instructor of Speech Communication and Theatre*
A.B., Westminster College
A.M., Pennsylvania State University
- Dorothy T. Lekarczyk, *Assistant Professor of Psychology*
A.B., Northeastern University
A.M., Ph.D., University of Illinois
- William J. Leonard, S.J., *Professor of Theology*
A.B., A.M., Boston College
S.T.L., Weston College
- Seymour Leventman, *Associate Professor of Sociology*
A.B., Washington State College, Chicago
A.M., Indiana University
Ph.D., University of Minnesota
- Elma Lewis, *Adjunct Associate Professor of Speech Communication
and Theatre*
A.B., B.L.I., Emerson College
A.M., Boston University
D.F.A. (Hon.), Boston College
- Kenneth A. Lewis, *Assistant Professor of Economics*
A.B., Amherst College
Ph.D., Princeton University
- Ramsay Liem, *Assistant Professor of Psychology*
A.B., Haverford College
Ph.D., University of Rochester
- * Jeong-long Lin, *Associate Professor of Chemistry*
B.S., M.S., National Taiwan University
Ph.D., Queen's University at Ontario
- Erich Lindemann, *Visiting University Professor of Community Psychiatry*
Ph.D., M.D., Universities of Marburg and Giessen
- Daniel Linehan, S.J., *Professor Emeritus of Geology and Geophysics;
Director of Weston Observatory*
A.B., A.M., Boston College
M.S., Harvard University
D.H.L. (Hon.), LeMoyne College
D.S. (Hon.), College of the Holy Cross
- Maurice Liss, *Associate Professor of Biology*
A.B., Harvard University
Ph.D., Tufts University School of Medicine
- Francis A. Liuima, S.J., *Assistant Professor of Physics*
M.S., Boston College
Ph.D., St. Louis University

* Sabbatical Leave, 1972-1973.

- Jane London, *Instructor of History*
 A.B., Vassar College
 A.M., Harvard University
 M.A., Brandeis University
- Joseph A. Longo, *Associate Professor of English*
 B.S., M.Ed., A.M., Ph.D., Rutgers University
- John W. Loofbourow, *Associate Professor of English*
 A.B., Harvard University
 A.M., Columbia University
 Ph.D., Harvard University
- Hans Lorentzen, *Instructor of Romance Languages and Literatures*
 A.B., Lyngby State College, Denmark
 A.M., Skaarup State Teachers College
 (cand.) Ph.D., Boston College
- ** Thomas Loughran, *Assistant Professor of Philosophy*
 A.B., Boston College
 Ph.D., Fordham University
- *** David Lowenthal, *Professor of Political Science;
 Chairman of the Department*
 A.B., Brooklyn College
 B.S., New York University
 A.M., Ph.D., New School for Social Studies
- Martin Lowenthal, *Assistant Professor of Sociology*
 A.B., M.A., Ph.D., University of California at Berkeley
- * Ritchie P. Lowry, *Professor of Sociology*
 A.B., A.M., Ph.D., University of California at Berkeley
- Jean Lozinski, *Assistant Professor of Fine Arts*
 A.B., Occidental College
 A.M., Ph.D., Yale University
- Robin R. Lydenberg, *Instructor of English*
 A.B., Barnard College
 A.M., Ph.D. (cand.), Cornell University
- Arthur A. MacGillivray, S.J., *Assistant Professor of English*
 A.B., A.M., Boston College
 A.M., University of Minnesota
- Donald I. MacLean, S.J., *Associate Professor of Chemistry*
 A.B., A.M., Boston College
 Ph.D., Catholic University of America
- Allison Macomber, *Artist-in-Residence*
- ** John J. Maguire, *Assistant Professor of Physics; Director of Admissions*
 B.S., Ph.D., Boston College
- Joseph P. Maguire, *Professor of Classical Studies*
 A.B., College of the Holy Cross
 A.M., Ph.D., Yale University
- John L. Mahoney, *Professor of English*
 A.B., A.M., Boston College
 Ph.D., Harvard University
- Leonard P. Mahoney, S.J., *Assistant Professor of History*
 A.B., A.M., Boston College

* Sabbatical Leave, 1972-1973.

** Leave of Absence, 1972-1973.

*** Sabbatical Leave, Second Semester, 1973.

- A.M., Ph.L., S.T.L., Weston College
 Ph.D., Georgetown University
 Michael A. Malec, *Associate Professor of Sociology;*
Chairman of the Department
 B.S., Loyola University
 M.S., Ph.D., Purdue University
 Henry Maltz, *Associate Professor of Chemistry*
 B.S., Brooklyn College
 M.S., Ph.D., Yale University
 ** H. Michael Mann, *Professor of Economics*
 A.B., Haverford College
 Ph.D., University of Wisconsin
 David R. Manwaring, *Associate Professor of Political Science*
 A.B., A.M., University of Michigan
 Ph.D., University of Wisconsin
 Rene J. Marcou, *Professor of Mathematics*
 B.S., Colby College
 Ph.D., Massachusetts Institute of Technology
 J. Paul Marcoux, *Associate Professor of Speech Communication and Theatre*
 B.S., Fitchburg State College
 M.Ed., Boston University
 Ph.D., Northwestern University
 Harvey R. Margolis, *Assistant Professor of Mathematics*
 M.S., Ph.D., University of Chicago
 Stuart B. Martin, *Associate Professor of Philosophy*
 A.B., Sacred Heart College
 L.M.H., Pontifical Institute of Medieval Studies
 A.M., Ph.D., Fordham University
 Antonio C. Mastrobuono, *Instructor of Romance Languages and Literatures*
 A.B., Providence College
 M.A., Catholic University of America
 (cand.) Ph.D., Harvard University
 Francis L. Maynard, *Associate Professor of Biology*
 A.B., Boston College
 A.M., Brown University
 Ph.D., Boston University
 John J. McAleer, *Professor of English*
 A.B., A.M., Boston College
 Ph.D., Harvard University
 Rev. Richard P. McBrien, *Associate Professor of Theology*
 A.B., St. John's Seminary
 A.M., St. John's Seminary
 S.T.L., S.T.D., Pontifical Gregorian University, Rome
 Joseph M. McCafferty, *Assistant Professor of English*
 A.B., A.M., Boston College
 Francis McCaffrey, *Associate Professor of Physics*
 B.S., Providence College
 Ph.D., University of Notre Dame
 John R. McCall, S.J., *Associate Professor of Theology*
 A.B., St. Bernard's Seminary
 A.M., Boston College

** Leave of Absence, 1972-1973.

- A.M., Catholic University of America
 Ph.D., Catholic University
 S.T.L., Weston College
- John F. McCarthy, *Associate Professor of English*
 A.B., Harvard University
 A.M., Ph.D., Yale University
- * Timothy E. McCarthy, *Associate Professor of English*
 B.S., M.S., Boston College
 Ph.D., Georgetown University
- Daniel L. McCue, Jr., *Assistant Professor of English*
 A.B., Boston College
 A.M., (cand.) Ph.D., Columbia University
- Francis J. McDermott, *Assistant Professor of English*
 A.B., A.M., Boston College
 A.M., Ph.D., Harvard University
- Robert J. McEwen, S.J., *Professor of Economics*
 A.B., Boston College
 A.M., Fordham University
 S.T.L., Weston College
 Ph.D., Boston College
- Gail Ann McGrath, *Instructor of Speech Communication and Theatre*
 A.B., Heidelberg University
 A.M., Bowling Green State University
 (cand.) Ph.D., Boston University
- Francis M. McLaughlin, *Associate Professor of Economics*
 B.S., A.M., Boston College
 Ph.D., Massachusetts Institute of Technology
- Frederick McLeod, S.J., *Research Associate of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
 (cand.) Or.Th.D., Pontifical Oriental Institute, Rome
- Malcolm McCloud, *Assistant Professor of Classical Studies*
 A.B., Boston College
 A.M., Boston University
- Raymond T. McNally, *Professor of History;*
Assistant Director, Slavic and East European Center
 A.B., Fordham University
 Ph.D., Free University of Berlin
- Valda Melngailis, *Assistant Professor of Germanic Studies*
 A.B., A.M., Boston University
 Ph.D., Harvard University
- Edward S. Milenky, *Assistant Professor of Political Sciences*
 A.B., Tufts University
 A.M., M.A.L.D., Ph.D., Fletcher School of Law and Diplomacy
- Samuel J. Miller, *Associate Professor of History*
 B.S., A.M., Ohio State University
 Ph.D., Brown University
- Rev. Paul Misner, *Assistant Professor of Theology*
 A.B., St. Charles Borromeo Seminary, Overbrook
 S.T.B., S.T.L., Gregorian University
 Th.D., Munich

* Sabbatical Leave, First Semester, 1972.

- Francis P. Molloy, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Louise S. Moore, *Assistant Professor of History*
 A.B., College of William and Mary
 A.M., Mt. Holyoke College
 M. Litt., Cambridge University
- Frederick L. Moriarty, S.J., *Associate Professor of Theology*
 A.B., College of the Holy Cross
 A.M., Johns Hopkins University
 S.S.L., Pontifical Biblical Institute
 S.T.D., Weston College
- James F. Moynihan, S.J., *Professor of Psychology*
 A.B., College of the Holy Cross
 A.M., Boston College
 Ph.L., S.T.L., Weston College
 Ph.D., Catholic University of America
- Rev. Francis J. Murphy, *Assistant Professor of History*
 A.B., Holy Cross College
 S.T.B., St. John's Seminary
 Ph.D., Catholic University
- John J. Murphy, S.J., *Assistant Professor of Economics*
 A.B., A.M., Boston College
- Richard T. Murphy, *Associate Professor of Philosophy*
 A.B., A.M., Boston College
 S.T.L., Weston College
 Ph.D., Fordham University
- Joseph L. Navickas, *Associate Professor of Philosophy*
 Ph.B., Ph.L., Louvain University
 Ph.D., Fordham University
- David Neiman, *Associate Professor of Theology*
 A.B., A.M., University of Chicago
 Ph.D., Dropsie College for Hebrew Learning
- Gerard C. O'Brien, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
 Ph.D., Fordham University
- Thomas H. O'Connor, *Professor of History*
 A.B., A.M., Boston College
 Ph.D., Boston University
- J. Enrique Ojeda, *Associate Professor of Romance Languages and Literatures;
 Chairman of the Department*
 Licenciado, Universidad Católica Del Ecuador
 A.M., Ph.D., Harvard University
- Leo P. O'Keefe, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Robert F. O'Malley, *Associate Professor of Chemistry, Chairman of the
 Department*
 B.S., M.S., Boston College
 Ph.D., Massachusetts Institute of Technology
- Thomas P. O'Malley, S.J., *Associate Professor of Patristics;
 Chairman of the Department of Theology*
 A.B., Boston College

- A.M., Fordham University
 S.T.L., St. Albert de Louvain
 D. Litt., Nijmegen University
- Joseph A. Orlando, *Associate Professor of Biology*
 B.S., Merrimack College
 M.S., North Carolina State College
 Ph.D., University of California at Berkeley
- Thomas J. Owens, *Professor of Philosophy*
 A.B., A.M., Boston College
 Ph.D., Fordham University
- Yuh-kang Pan, *Associate Professor of Chemistry*
 B.S., National Taiwan University
 Ph.D., Michigan State University
- C. Alexander Peloquin, *Composer-in-Residence*
- PHEME PERKINS, *Assistant Professor of Theology*
 A.B., St. John's College
 A.M., Ph.D., Harvard University
- Thomas W. Perry, *Associate Professor of History*
 A.B., A.M., Ph.D., Harvard University
- Harold A. Petersen, *Associate Professor of Economics;*
Chairman of the Department
 A.B., DePauw University
 Ph.D., Brown University
- Leslie Phillips, *Professor of Psychology*
 A.B., Purdue University
 A.M., Ph.D., University of Chicago
- Dorman Picklesimer, Jr., *Instructor in Speech Communication and Theatre*
 A.B., Morehead State University
 A.M., Bowling Green State University
 (cand.) Ph.D., Indiana University
- * Andrejs Plakans, *Assistant Professor of History*
 A.B., Franklin and Marshall College
 A.M., Ph.D., Harvard University
- Donald J. Plocke, S.J., *Associate Professor of Biology, Chairman of the Department*
 B.S., Yale University
 A.M., Boston College
 Ph.D., Massachusetts Institute of Technology
- Kenneth Polk, *Associate Professor of Sociology; Research Associate Professor, Institute of Human Sciences*
 A.B., San Diego State College
 Ph.D., University of California at Los Angeles
- Peter D. Prevett, *Research Assistant Professor of Geology and Geophysics*
 B.S., Tulane University
 M.S., Ph.D., Northeastern University
- Betty Rahv, *Assistant Professor of Romance Languages and Literatures*
 A.B., Sweet Briar College
 A.M., Middlebury College
 Ph.D., Indiana University
- Mark B. Ramras, *Assistant Professor of Mathematics*
 A.B., Harvard University
 A.M., Ph.D., Brandeis University

* Leave of Absence, First Semester, 1972.

- John H. Randall, III, *Associate Professor of English*
 A.B., Columbia University
 A.M., University of California at Berkeley
 Ph.D., University of Minnesota
- David M. Rasmussen, *Associate Professor of Philosophy*
 A.B., University of Minnesota
 B.D., A.M., Ph.D., University of Chicago
- Charles L. Regan, *Associate Professor of English*
 A.B., Boston College
 A.M., Ph.D., Harvard University
- Robert E. Reiter, *Associate Professor of English*
 A.B., St. Bonaventure College
 Ph.D., University of Michigan
- ** Robert F. Renehan, *Professor of Classical Studies; Chairman of the Department*
 A.B., Boston College
 A.M., Ph.D., Harvard University
- Edward Reynolds, *Assistant Professor of Psychology*
 A.B., Oberlin College
 M.S., Ph.D., Western Reserve University
- Donald K. Richter, *Instructor of Economics*
 A.B., A.M., Yale University
 (cand.) Ph.D., Massachusetts Institute of Technology
- John G. Riley, *Assistant Professor of Economics*
 B.Sc., M. Comm., University of Canterbury
 Ph.D., Massachusetts Institute of Technology
- Peter Rieser, *Associate Professor of Biology*
 B.S., Long Island University
 Ph.D., University of Pennsylvania
- Marvin C. Rintala, *Professor of Political Science*
 A.B., University of Chicago
 A.M., Ph.D., Fletcher School of Law and Diplomacy
- Paul M. Roberts, *Instructor of History*
 A.B., Coe College
 (cand.) Ph.D., Princeton University
- John P. Rock, S.J., *Associate Professor of Philosophy*
 A.B., A.M., Boston College
 S.T.L., Weston College
 Ph.D., Louvain University
- Daniel M. Rohrer, *Instructor of Speech Communication and Theatre*
 A.B., Western Michigan University
 A.M., University of Wisconsin
- John H. Rosser, *Assistant Professor of History*
 A.B., University of Maryland
 A.M., Ph.D., Rutgers University
- David C. Roy, *Assistant Professor of Geology and Geophysics*
 B.S., Iowa State University
 Ph.D., Massachusetts Institute of Technology
- * Allyn H. Rule, *Assistant Professor of Biology*
 B.S., Central Connecticut College
 A.M., Ph.D., Boston University

** Sabbatical Leave, 1972-73.

* Leave of Absence 1972-1973.

- Irving J. Russell, *Associate Professor of Chemistry*
 B.S., Boston College
 M.S., University of Chicago
 Ph.D., Enrico Fermi Institute for Nuclear Studies, University of Chicago
- Patrick J. Ryan, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 A.M., Assumption College
 S.T.L., Weston College
 S.T.D., Gregorian University
- William Ryan, *Professor of Psychology; Chairman of the Department*
 A.B., Ph.D., Boston University
- Dennis J. Sardella, *Associate Professor of Chemistry*
 B.S., Boston College
 Ph.D., Illinois Institute of Technology
- Daniel J. Saunders, S.J., *Associate Professor of Theology*
 A.B., A.M., Boston College
 A.M., St. Louis University
 S.T.D., Weston College
- Jadranka Santen, *Visiting Assistant Professor of Slavic and Eastern Languages*
 Doctorandus, Universiteit van Amsterdam
- Richard Santerre, *Instructor of Romance Languages and Literatures*
 A.B., A.M., (cand.) Ph.D., Boston College
- Margaret Amy Schatkin, *Assistant Professor of Theology*
 A.B., Queens College
 A.M., Ph.D., Fordham University
 (cand.) Th.D., Princeton Theological Seminary
- Solomon L. Schwebel, *Associate Professor of Physics*
 B.S., City College of New York
 M.S., Ph.D., New York University
- * Robert Scigliano, *Professor of Political Science*
 A.B., A.M., University of California at Los Angeles
 Ph.D., University of Chicago
- Charles J. Serns, *Assistant Professor of Political Science*
 A.B., University of Chicago
 LL.B., Yale University Law School
 M.P.A., Ph.D., Harvard University
- John P. Shanahan, *Associate Professor of Mathematics*
 B.S., M.S., University College, Galway
 Ph.D., Johns Hopkins University
- Robert L. Sheehan, *Associate Professor of Romance Languages and Literatures*
 B.S., Boston College
 A.M., Ph.D., Boston University
- Daniel J. Shine, S.J., *Associate Professor of Philosophy*
 A.B., A.M., Boston College
 S.T.L., Weston College
 Ph.D., Gregorian University
- Ernest A. Siciliano, *Professor of Romance Languages and Literatures*
 A.B., A.M., Boston College
 Ph.D., Harvard University
- Clara M. Siggins, *Associate Professor of English*
 B.S., A.M., Teachers College, Columbia University
 Ph.D., St. John's University

* Sabbatical Leave, First Semester, 1972.

Arshalouis A. Simeonian, *Senior Lecturer of Slavic and Eastern Languages*
Dipl. prav. fakul'teta, Dipl. ekon. fakul'teta, Moskovskij gosud.
universitet.

Maria Simonelli, *Professor of Romance Languages and Literatures*
Dottore in Lettere e Filosofia, University of Florence
Libera Docenza in Filologia Romanza, Rome

William M. Singer, *Assistant Professor of Mathematics*
A.B., Cornell University
A.M., Princeton University
Ph.D., Princeton University

James W. Skehan, S.J., *Professor of Geology and Geophysics;*
Director, Boston College Environmental Center
A.B., A.M., Boston College
A.M., Ph.D., Harvard University

* David H. Smith, *Associate Professor of Sociology; Research Associate*
Professor, Institute of Human Sciences
A.B., University of Southern California
A.M., Ph.D., Harvard University

John H. Smith, *Associate Professor of Mathematics*
A.B., Cornell University
Ph.D., Massachusetts Institute of Technology

Leon Smolinski, *Professor of Economics*
A.B., University of Fribourg
A.M., University of Cincinnati
Ph.D., Columbia University

James Spruill, *Instructor of Speech Communication and Theatre*
A.B., Goddard College
(cand.) M.F.A., Boston University

Chester S. Stachow, *Associate Professor of Biology*
B.S., M.S., Ph.D., University of Manitoba

Richard M. Stevens, S.J., *Assistant Professor of Philosophy*
A.B., A.M., Boston College
Ph.D., Sorbonne

Olga Stone, *Assistant Professor of Music; Musician-in-Residence*
Mus.B., Mus.M., Mus.D., Boston University

John P. Strommer, *Instructor of English*
A.B., A.M., (cand.) Ph.D., Ohio State University

Vishubhotla Subrahmanyam, *Assistant Professor of Chemistry*
B.S., Andhra University
M.S., Banaras Hindu University
Ph.D., University of California at Berkeley

John J. Sullivan, *Assistant Professor of English*
A.B., Harvard University
A.M., Boston College

Joseph A. Sullivan, *Professor of Mathematics; Chairman of the Department*
A.B., Boston College
M.S., Massachusetts Institute of Technology
Ph.D., Indiana University

William D. Sullivan, S.J. *Professor of Biology*
A.B., A.M., Boston College
M.S., Fordham University
Ph.D., Catholic University of America

* Leave of Absence, 1972-1973.

- Hamish F. G. Swanston, *Assistant Professor of Theology*
 B.A., M.A., M.Litt., Durham University
 Ph.D., Canterbury University
- Francis W. Sweeney, S.J., *Assistant Professor of English*
 A.B., College of the Holy Cross
 Ph.L., Weston College
 A.M., Boston College
- Felix F. Talbot, S.J., *Assistant Professor of Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
- Jacques M. Taminiaux, *Professor of Philosophy*
 Ph.D., Louvain
- Peter S. H. Tang, *Professor of Political Science*
 A.B., National Chengchih University
 A.M., Ph.D., Columbia University
- Cecil F. Tate, *Assistant Professor of English*
 A.B., University of Maryland
 A.M., Ph.D., Emory University
- E. Dennis Taylor, *Assistant Professor of English*
 A.B., College of the Holy Cross
 A.M., Ph.D., Yale University
- Carl J. Thayer, S.J., *Assistant Professor of Classical Studies*
 A.B., A.M., Boston College
- * Paul R. Thie, *Associate Professor of Mathematics*
 B.S., Canisius College
 Ph.D., University of Notre Dame
- Yu-Chen Ting, *Professor of Biology*
 A.B., National Honan University
 M.S., University of Kentucky
 M.S.A., Cornell University
 Ph.D., Louisiana State University
- Charles H. Toll, *Instructor of Mathematics*
 A.B., Boston College
 (cand.) Ph.D., Yale University
- Charles B. Toomey, S.J., *Assistant Professor of Philosophy*
 A.B., A.M., Boston College
- Richard W. Tresch, *Instructor of Economics*
 A.B., Williams College
 (cand.) Ph.D., Massachusetts Institute of Technology
- John R. Trzaska, S.J., *Assistant Professor of Chemistry*
 A.B., A.M., Boston College
 Ph.D., Catholic University of America
- Rein A. Uritam, *Assistant Professor of Physics*
 A.B., Concordia College
 A.B., Oxford University
 A.M., Ph.D., Princeton University
- William G. Valance, *Assistant Professor of Chemistry*
 B.S., DePaul University
 Ph.D., Northwestern University
- Rebecca M. Valette, *Associate Professor of Romance Languages and Literatures: Director, Language Laboratory*
 A.B., Mount Holyoke College
 Ph.D., University of Colorado

* Sabbatical Leave, Second Semester, 1973.

- * Frans Jozef van Beeck, S.J., *Assistant Professor of Theology*
 Ph.L., Beachmanianum
 Ph.D., University of Amsterdam
 S.T.L., Canisianum
- L. Scott Van Doren, *Assistant Professor of History*
 A.B., Oberlin College
 A.M., Ph.D., Harvard University
- ** George Vogel, *Professor of Chemistry*
 B.S., D.Sc., Prague Technical Institute
- John M. vonFelsinger, *Professor of Psychology*
 A.B., Kent State University
 A.M., Ohio State University
 Ph.D., Yale University
- Andrew J. Von Hendy, *Associate Professor of English; Chairman of the Department*
 A.B., Niagara University
 A.M., Ph.D., Cornell University
- *** Josephine von Henneberg, *Associate Professor of Fine Arts; Chairman of the Department*
 Doctor in Letters, University of Rome
- Allen W. Wakstein, *Associate Professor of History*
 A.B., University of Massachusetts
 A.M., Ph.D., University of Illinois
- Robert B. Wallace, *Assistant Professor of Economics*
 A.B., Miami University
 Ph.D., Northwestern University
- Thomas E. Wangler, *Associate Professor of Theology*
 B.S., LeMoyne College
 A.M., Ph.D., Marquette University
- Peter H. Weiler, *Assistant Professor of History*
 A.B., Stanford University
 A.M., Ph.D., Harvard University
- Alan Weinblatt, *Instructor of English*
 A.B., New York University
 A.M., (cand) Ph.D., Harvard University
- Norman J. Wells, *Professor of Philosophy*
 A.B., Boston College
 L.M.S., Pontifical Institute of Medieval Studies
 A.M., Ph.D., University of Toronto
- Donald J. White, *Professor of Economics; Dean, Graduate School of Arts and Sciences*
 B.S., Boston College
 A.M., Ph.D., Harvard University
- Frederick E. White, *Professor of Physics; Pre-Medical Advisor*
 A.B., Boston University
 Sc.M., Ph.D., Brown University
- Robert G. Williams, *Assistant Professor of Sociology*
 A.B., St. Anselm's College
 A.M., Boston College

* Leave of Absence, Second Semester, 1973.

** Sabbatical Leave, Second Semester, 1973.

*** Sabbatical Leave, 1972-1973.

- John B. Williamson, *Assistant Professor of Sociology*
 B.S., Massachusetts Institute of Technology
 Ph.D., Harvard University
- * John R. Willis, S.J., *Associate Professor of History*
 A.B., Amherst College
 B.D., Hartford Seminary
 Ph.D., Yale University
- Robert K. Woetzel, *Professor of International Politics and Law*
 A.B., Columbia University
 Ph.D., Oxford University
 J.S.D., Bonn University
 Certificate, Hague Academy of International Laws
- Geoffrey Woglom, *Instructor of Economics*
 A.B., M.Phil., (cand.) Ph.D., Yale University
- Patrick J. Wreath, *Adjunct Assistant Professor of Slavic and Eastern Languages*
 A.B., University of Oregon
 M.L.S., Simmons College
 A.M., University of Illinois
 Ph.D., Cornell University
- ** Silas H. L. Wu, *Associate Professor of History*
 A.B., National Taiwan University
 A.B., University of California at Berkeley
 A.M., Yale University
 Ph.D., Columbia University
- William C. Yoels, *Assistant Professor of Sociology*
 A.B., Queens College
 A.M., Ph.D., University of Minnesota
- Chai Hyun Yoon, *Professor of Biology*
 A.B., Alma College
 Ph.D., Ohio State University
- William Youngren, *Associate Professor of English*
 A.B., A.M., Ph.D., Harvard University
- Berj Zamkochian, *Organist of the University*
 Mus.B., Mus.M., Artist's Degree, New England Conservatory of Music
- Georges Zayed, *Professor of Romance Languages and Literatures*
 L.esL., M.esL., University of Cairo
 Doctorat d'Etat, Sorbonne

Lecturers

- Lois Kay Broschart, *Sociology*
 B.S., Kent State University
 M.P.H., A.M., Ph.D., Yale University
- Donald Deveau, *Fine Arts*
 M.F.A., Tufts University
 M.A., Boston University
- Joseph Devenny, S.J., *Theology*
 A.B., A.M., Boston College
 S.T.L., Weston College
 Ph.D., Harvard University

* Sabbatical Leave, 1972-1973.

** Sabbatical Leave, Second Semester, 1973.

- George R. Fitzgerald, C.S.P., *Theology*
 A.B., Dartmouth College
 Ph.B., A.M., St. Paul's College
- James F. Flagg, Jr., *Romance Languages; Assistant to the Chairman of the Department; Director, Junior Year Abroad*
 A.B., University of Massachusetts
 A.M., Brown University
 (cand.) Ph.D., Boston University
- Richard M. Freeland, *History*
 A.B., Amherst College
 A.M., Ph.D., University of Pennsylvania
- James H. Graham, *Biology*
 B.S., M.D., Tufts University
- Elizabeth Green, *English*
 A.B., Wellesley College
 A.M., Boston College
- John G. Hogan, *Geology and Geophysics*
 B.S., M.S., Boston College
- Mary Joe Hughes, *History*
 A.B., Radcliffe College
 A.M., (cand) Ph.D., Harvard University
- Samir F. Ibrahim, *Arabic*
 B.S., Cairo University
 M.S., Northeastern University
- James Isenberg, *Sociology*
 A.B., M.A., (cand.) Ph.D., University of California at Berkeley
- Barry Jordan, *English*
 A.B., A.M., Boston College
- Eugene LaForet, *Alumni Lecturer in Theology*
 A.B., Boston College
 M.D., Tufts University
- Frederick Lawrence, *Theology*
 A.B., St. John's College
 D.Th., Basel
- Paula Leventman, *Sociology*
 A.M., University of California at Berkeley
- Elinor O'Brien, *Biology*
 A.B., Emmanuel College
 M.Ed., Boston University
 Ph.D., Boston College
- Glenworth Ramsay, *Economics*
 A.B., Brown University
 (cand.) Ph.D., Boston College
- Robert E. Riecker, *Geology and Geophysics*
 A.B., Ph.D., Colorado University
- Susan A. Salladay, *Philosophy*
 A.B., Whitman College
 (cand.) Ph.D., Boston College
- Nancy Sawaya, *English*
 A.B., Salve Regina College
 A.M., Boston College
- Abram Shulsky, *Political Sciences*
 A.B., Cornell University
 A.M., (cand.) Ph.D., University of Chicago

Jolane Solomon, *Biology*
 A.B., Hunter College
 M.S., Ph.D., Radcliffe College

Theodore M. Steeman, O.F.M., *Theology*
 Doctorandus, University of Leyden
 Ph.D., Harvard University

Brita Stendahl, *Slavic and Eastern Languages*
 Teol.fil.kand., Teol.kand., Fil.kand., Universitetet i Uppsala

Joseph Stone, *English*
 A.B., Boston College
 A.M., (cand.) Ph.D., Harvard University

John J. Sullivan, *History*
 A.B., Cornell University
 A.M., (cand.) Ph.D., Boston College

Vera L. Taranovski, *Russian*
 Dipl. filos. fak., Prof. filos fak., Beogradski Univerzitet
 M.A., University of California at Berkeley

Yueh-hung Ting, *Slavic and Eastern Languages*
 A.B., NTU (Taiwan)
 A.M., Kent State University
 A.M., Harvard University
 (cand.) Ph.D., New York University

Harriet Tolpin, *Economics*
 A.B., Wellesley College
 (cand.) Ph.D., Boston College

Rev. John Toomey, *Theology*
 A.B., St. John's Seminary
 S.T.L., Catholic University

Monique Ulbrich, *French*
 Bacc., Paris
 A.B., University of Massachusetts

Ching-yun Wang, *Slavic and Eastern Languages*
 B.Sc., NTNU (Taiwan)
 M.S., (cand.) Ph.D., Northeastern University

Richard E. Welch, *History*
 A.B., Harvard College
 M.Ed., A.M., (cand.)

Cecil Wylde, *Fine Arts*
 A.B., Harvard University
 B.V.A., Boston Museum School

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Rev. Richard W. Rousseau, S.J., Ph.D.

Richard G. Huber, LL.M.

Rev. James A. Woods, S.J., M.A.T., S.T.B.

Dean
The College of Arts and Sciences
Dean
The Summer Session,
Associate Dean
The Graduate School of Arts and Sciences
Dean
The Graduate School of Arts and Sciences
Dean
The Weston College School of Theology
Dean
The Law School
Dean
The Evening College of Arts, Sciences
and Business Administration,
University Registrar

Edmund M. Burke, Ph. D.	Dean The Graduate School of Social Work
Albert J. Kelley, Sc.D.	Dean The School of Management
Mary Dineen, Ed.D.	Dean The School of Nursing
Lester Przewlocki, Ph.D.	Dean The School of Education

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Charles H. Baron, A.B., LL.B.	Associate Dean The Law School
John G. Bolin, Ed.D.	Director of the Office of Institutional Planning and Research
J. Joseph Burns, M.D.	Director of Medical Services
Rev. David F. Carroll, S.J., A.M.	Faculty Moderator of Athletics
J. Stephen Collins, M.S., C.P.A.	Director of Financial Aid
Rev. Brendan C. Connolly, S.J., Ph.D.	Director of Libraries
Justin C. Cronin, M.B.A.	Assistant Dean The School of Management
James A. Delay, A.B.	Director of Public Relations
Rev. James J. Devlin, S.J., A.M., M.S.	Director of Campus Planning
George Donaldson, M.B.A.	Director of Placement
Edward C. Driscoll, A.B.	Business Manager
Kevin P. Duffy, M.Ed.	Director of Housing
Christopher J. Flynn, Jr., A.M., J.D.	Associate Dean The School of Management
William J. Flynn, M.Ed.	Director of Varsity and Intramural Athletics
Marc A. Fried, Ph.D.	Director of the Institute of Human Sciences
Mary D. Griffin, Ph.D.	Associate Dean The School of Education
Rev. Edward J. Hanrahan, S.J., A.M.	Dean of Students
James A. Hayden, Jr., A.B.	Director of Development
August T. Jaccaci, M.A.T.	Director of Special Curricular Programs
Albert G. Jacobbe, M.A.	Director of Student Activities
Weston M. Jenks, Jr., A.M., M.Ed.	Director of University Council on Counseling Services
Paul M. Kane, J.D.	Assistant Dean The Law School
Raymond F. Keyes, M.B.A.	Assistant Dean The School of Management
Lorraine Kinnane, A.M.	Director of the Office of Testing Services
Francis J. Larkin, B.S., LL.M.	Associate Dean The Law School
Richard J. Leonard, B.S.B.A., C.P.A.	Controller
Richard Maffei, Ph.D.	Associate Dean The School of Management
John J. Maguire, Ph.D.	Director of Admissions
Rev. Leo McDonough, S.J., A.M., M.S.	University Chaplain
Henry J. McMahon, A.M.	Associate Dean The College of Arts and Sciences
Raymond J. Mitchell, M.Ed.	Director of University Publications
Rev. John A. O'Callaghan, S.J., Ph.D.	Faculty Moderator of the Alumni

Richard J. Olsen, M.B.A.
Rev. Joseph B. Pomeroy, S.J., M.S.
Fred John Pula, Ed.D.
Leo V. Sullivan, B.S.
David E. Tanenbaum, D.S.W.

Rev. Edmond D. Walsh, S.J., A.M.
John F. Wissler, B.S.B.A.
Robert L. Wood, B.S.

Executive Assistant to the President
Director of the Computer Center
Director of University Audio-Visual Services
Director of Personnel
Associate Dean
The Graduate School of Social Work
Dean of Admissions
Executive Director of the Alumni Association
Director of Buildings and Grounds



Academic Calendar

1972-1973

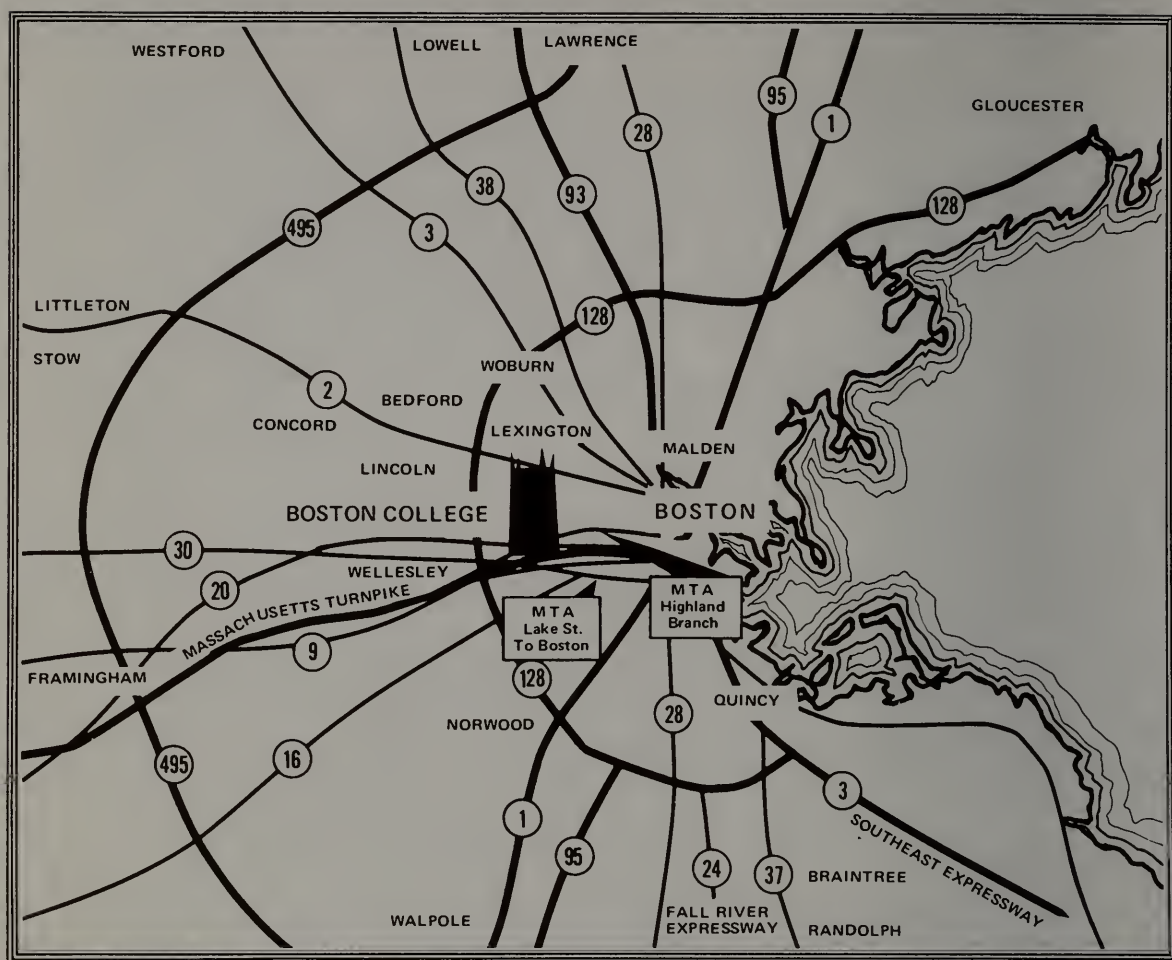
First Semester

Monday-Friday: Registration: Freshman Orientation	Sept. 11-15
Friday: Faculty Convocation	Sept. 15
Monday: Classes begin	Sept. 18
Monday: Columbus Day—no classes	Oct. 9
Monday: Veterans Day—no classes	Oct. 23
Wednesday: Thanksgiving holidays begin at noon	Nov. 22
Tuesday: Christmas holidays begin at close of classes	Dec. 19
Wednesday: Classes resume	Jan. 3
Monday-Friday: Registration for second semester	Jan. 15-19
Term examinations	Jan. 15-23

Second Semester

Monday: Classes begin	Jan. 29
Monday: Washington's Birthday—no classes	Feb. 19
Friday: President's Day—no classes	Mar. 16
Monday-Friday: Winter Recess	Mar. 19-23
Monday: Classes resume	Mar. 26
Thursday-Monday: Easter Recess	Apr. 19-23
Tuesday: Classes resume	Apr. 24
Friday: Final class day for second semester	May 11
Term examinations	May 14-22
Monday: Commencement	June 4

DIRECTIONS FOR VISITORS TO BOSTON COLLEGE



Located between Commonwealth Avenue (Route 30) and Beacon Street in Chestnut Hill, Massachusetts, the University Heights campus of Boston College is easily accessible from all approaches.

Visitors arriving at Logan International Airport will find ample means of transportation into downtown Boston. Interstate bus lines all have terminals in the heart of the city.

From downtown Boston, visitors may travel directly to the Heights by taxi or may take the Boston College-Commonwealth Avenue trolley car out of Park St. Station and to the end of the line, where the campus is only a short walk up the hill.

For those driving to Boston College, the auto routes are easily traveled and plainly marked.

From the south and southeast—Routes 95 and 24 north, to Route 128 north, to Route 30 (Commonwealth Avenue) east, directly to Boston College.

From the west and southwest (e.g. New York City, New Jersey, etc.)—Routes 15 or 91 north, to the Massachusetts Turnpike (Route 90) east, to Route 128 north, to Route 30 (Commonwealth Avenue) east, directly to Boston College.

From the north and northeast—Routes 3, 93 and 95 (U.S. 1) south, to Route 128 south, to Route 30 (Commonwealth Avenue) east, directly to Boston College.

